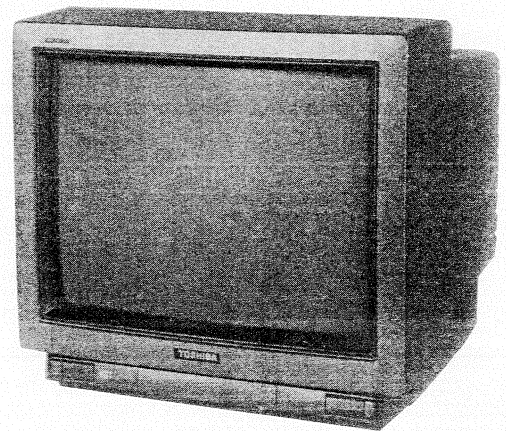


TOSHIBA

COLOUR TELEVISION

150F6D



SPECIFICATIONS

Power Input Rating:	67 watts, AC 220 volts, 50 Hz
Aerial Input Impedance:	75 ohm unbalanced type for UHF
Receiving Channels:	VHF channels channels E2 to E4, E5 to E12 and S1, S2 to S20
	UHF channels channels 21 to 68
Intermediate Frequencies:	Picture I-F carrier frequency 38.9 MHz Sound I-F carrier frequency 33.4 MHz Colour sub-carrier frequency 34.47 MHz
Chassis Construction:	IC Solid State, Horizontal Chassis
Picture Tube:	15 in. A36EAM00X01, 356 mm (measured on diagonal of viewable picture area), 90° Deflection
Sound Output:	1.7 watts (at 10% harmonic distortion), Max. 2.1 watts
Speaker:	80 mm round
Aux. Terminal:	Headphone Jack, 21 pin socket, 6 pin AV socket (DIN)
Cabinet:	Table type
Dimension:	Height 342 cm Width 370 cm Depth 382 cm
Weight (Net):	12.0 kg

Specifications are subject to change without notice.

SAFETY INSTRUCTIONS

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION," "SAFETY PRECAUTION" AND THE "PRODUCT SAFETY NOTICE" INSTRUCTIONS BELOW.

X-RAY RADIATION PRECAUTION

1. The E.H.T. must be checked every time the receiver is serviced to ensure that the C.R.T. does not emit X-ray radiation as result of excessive E.H.T. voltage. The nominal E.H.T. for this receiver is 25.0 kV at zero beam current (minimum brightness) operating at 220V a.c. The maximum E.H.T. voltage permissible in any operating circumstances must not exceed 26.5 kV. When checking the E.H.T., use the 'High Voltage Check' procedure on page 5 in this manual using an accurate E.H.T. voltmeter.
2. The only source of X-RAY radiation in this receiver is the C.R.T. To prevent X-ray radiation, the replacement C.R.T. must be identical to the original fitted as specified in the Parts List.
3. Some components used in this receiver have safety related characteristics preventing the C.R.T. from emitting X-ray radiation. For continued safety, replacement component should only be made after referring the Product Safety Notice below.

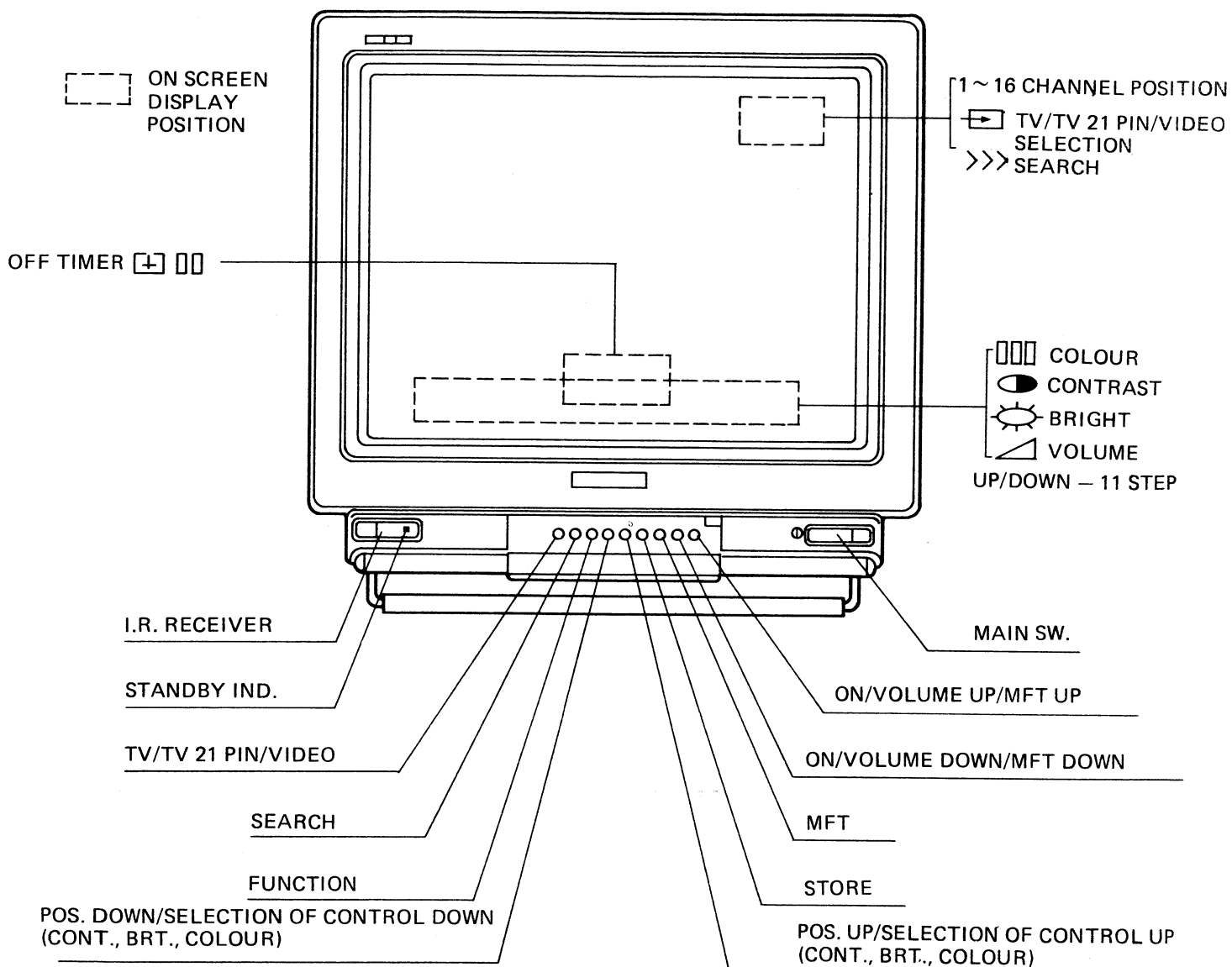
SAFETY PRECAUTION

1. This receiver has a nominal working E.H.T. voltage of 23 kV. Extreme caution should be exercised when working on the receiver with the back removed.
Do not attempt to service this receiver if you are not conversant with the precautions and procedures for working on high voltage equipment. When handling or working on the C.R.T., always discharge the anode to the receiver chassis before removing the anode cap.
The C.R.T., if broken, will violently expel glass fragments and handling faulty or new C.R.T.'s should be carried out with extreme care.
Do not hold the C.R.T. by the neck as this is a very dangerous practice.
2. A small part of the chassis used in this receiver is, when operating, at approximately half mains potential at all times. It is therefore essential in the interest of safety that when serving or connecting any test equipment the receiver should be supplied via a suitable isolating transformer of adequate rating.
3. Replace blown fuses within the receiver with the fuse specified in the parts list.
4. When replacing wires or components to terminals or tags, wind the leads around the terminal before soldering. When replacing safety components identified by the international hazard symbols on the circuit diagram and parts list, it must be a Toshiba approved type and must be mounted as the original.
5. Keep wires away from high temperature components.

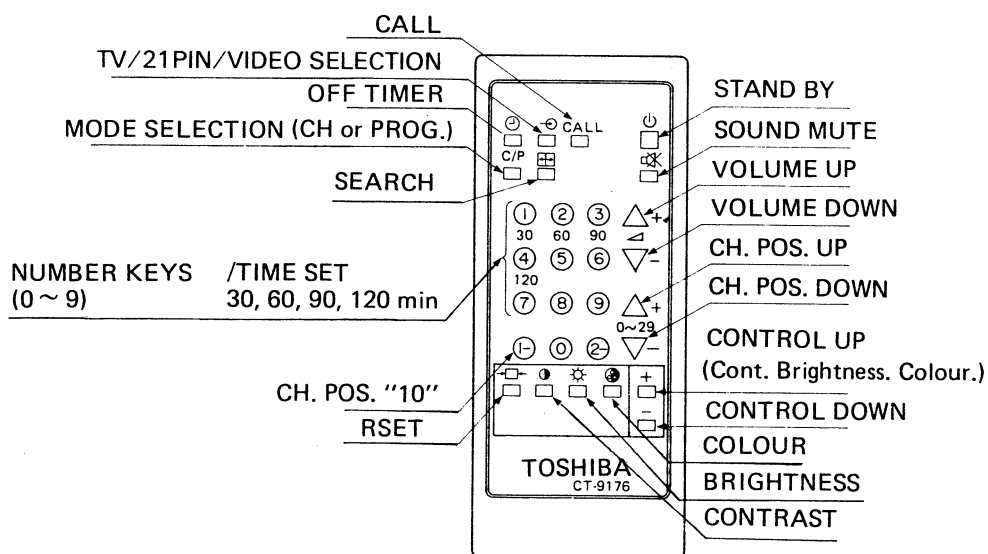
PRODUCT SAFETY NOTICE

Many electrical and mechanical components in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the X-ray radiation protection afforded them cannot necessarily be obtained by using replacements rated at higher voltages or wattage, etc. Components which have these special safety characteristics in this manual and its supplements are identified by the international hazard symbols on the schematic diagram and parts list. Before replacing any of these components read the parts list in this manual carefully. Substitute replacement components which do not have the same safety characteristics as specified in the parts list may create X-ray radiation.

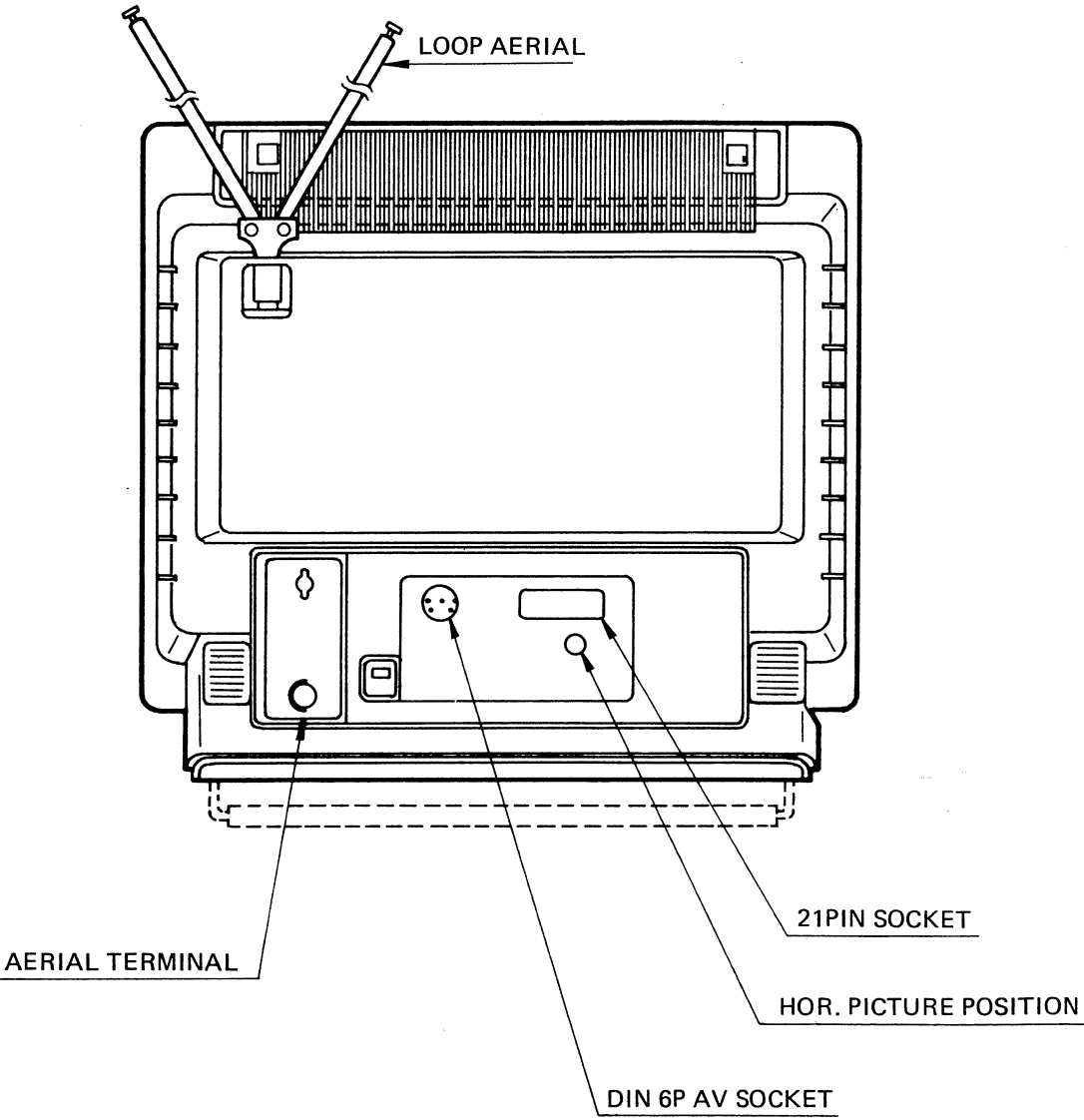
FRONT CONTROLS VIEW



REMOTE HAND HELD UNIT



REAR VIEW



WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION," "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

INSTALLATION AND SERVICE ADJUSTMENTS

GENERAL INFORMATIONS

All adjustments are thoroughly checked and corrected when the receiver leaves the factory. Therefore the receiver should operate normally and produce proper colour and B/W pictures upon installation. However, several minor adjustments may be required depending on the particular location in which the receiver is operated.

This receiver is shipped completely in cardboard carton. Carefully draw out the receiver from the carton and remove all packing materials.

Plug the power cord into a convenient 220 volts 50Hz AC two pin power outlet.

Turn the receiver ON.

Check and adjust all the customer controls such as BRIGHTNESS, CONTRAST and COLOUR Controls to obtain natural colour or B/W picture.

AUTOMATIC DEGAUSSING

A degaussing coil is mounted around the picture tube so that external degaussing after moving the receiver is normally unnecessary, providing the receiver is properly degaussed upon installation. The degaussing coil operates for about 1 second after Mains switch is switched ON. If the set is moved or faced in a different direction, the Mains switch must be switched off at least 10 minutes in order that the automatic degaussing circuit operates properly.

Should the chassis or parts of the cabinet become magnetized to cause poor colour purity, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube, the sides and front of the receiver and slowly withdraw the coil to a distance of about 2 m before disconnecting it from AC source. If colour shading still persists, perform the COLOUR PURITY ADJUSTMENT and CONVERGENCE ADJUSTMENTS procedures, as mentioned later.

HIGH VOLTAGE CHECK

CAUTION: There is no HIGH VOLTAGE ADJUSTMENT on this chassis.

1. Connect an accurate high voltage meter to the second anode of the picture tube.
2. Turn on the receiver. Set the BRIGHTNESS and CONTRAST Controls to minimum (zero beam current).
3. High voltage will be measured below 26.5kV.
4. Rotate the BRIGHTNESS Control to both extremes to be sure the high voltage does not exceed the limit of 26.5kV under any conditions.

HORIZONTAL OSCILLATOR ADJUSTMENT

If there is an indication of unstable horizontal sync., adjust the HORIZONTAL HOLD Control (R451) to remove the condition. Adjust the HORIZONTAL HOLD to the centre of the pull-in range.

VERTICAL OSCILLATOR ADJUSTMENT

If the picture moves up or down on the screen, adjust the VERTICAL HOLD Control (R351) until there is a single image without vertical movement.

HEIGHT ADJUSTMENT

HEIGHT Control (R352) on MAIN Board changes the size of the picture or pattern, having an equal effect on the top and bottom. Make final adjustment to overscan the mask 2 cm at top and bottom.

FOCUS ADJUSTMENT

Adjust FOCUS Control on FLYBACK TRANS. (T461) for well defined scanning lines in the centre area on the screen.

DELAYED R-F AGC ADJUSTMENT

1. Tune the set in the strongest station in your area.
2. Turn AGC DELAY Control (R151) on MAIN Board to fully counterclockwise position.
3. Adjust AGC DELAY Control clockwise until noise (snow) is reduced to minimum on the picture.

BELL COIL (LM51) ADJUSTMENT

1. Receive SECAM colour bar signal.
2. Connect the synchroscope to the terminal TPM-01.
3. Adjust LM51 for the flat level of amplitude in each colour bar waveform on the scope. (See figure 1.)

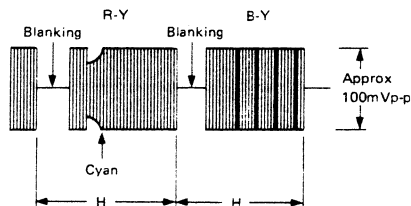


Figure 1.

IDENT COIL (LM52) ADJUSTMENT

1. Receive SECAM colour bar signal.
2. Connect the DC voltmeter (Digital Voltmeter) to the pin 26 of ICM01.
3. Adjust LM52 for the maximum indication (approx. DC10V) on the meter.

B-Y, R-Y DEMODE COIL (LM53, LM54) ADJUSTMENT

1. Receive SECAM colour bar signal.
2. Connect the synchroscope to the pin 22 of ICM01.
3. Adjust LM53 so that the white level in picture part reaches to the vertical retrace line. (See figure 2.)
4. Then change the connection of synchroscope from the pin 22 to the pin 18 of ICM01.
5. Adjust LM54 so that the white level in picture part reaches to the vertical retrace line. (See figure 3.)

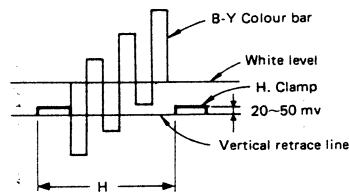


Figure 2.

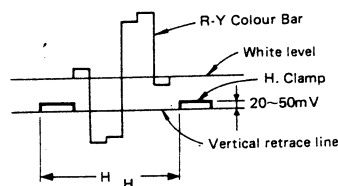


Figure 3.

COLOUR SYNC. ADJUSTMENT

1. Tune in a colour programme (preferably colour bar signal) and warm up for five minutes.
2. Short circuit C512 on Main Board with a short jumper wire.
3. Connect pin 12 of IC501 to +12V line via a 10k ohm resistor, this will disable the colour killer.
4. Then the colour stripes appear on the screen when the adjustment is incorrect. Adjust the colour sync. VR (R552) so that the colour bar pattern stands still or drifts slowly across the picture screen.
5. Remove the 10k ohm resistor and jumper wire.

PAL MATRIX ADJUSTMENT

1. Tune in the colour programme including the colour bar signals.
2. Set the COLOUR Control VR to obtain the proper colour.
3. If the PAL MATRIX adjustment is incorrect, the Venetian Blind effect would appear in the colour bars area. This case needs the adjustment.
4. At the first, adjust DL PHASE ADJ. Coil (L551) to minimize the Venetian Blind effect.

5. Next, connect the terminal TP-43 to the earth with a capacitor (30pF to 50pF). If the Venetian Blind increases, adjust 1H AMP ADJ. VR (R551) to minimize the Blind.
6. Remove the capacitor, and if the Venetian Blind still remains, adjust DL PHASE ADJ. Coil (L551) to minimize the Blind again.
7. Repeat the item 5 and 6 procedures to adjust the R551 and L551 until the Blind does not appear when the capacitor is connected.

CRT GREY SCALE ADJUSTMENT

1. Tune in an active channel.
2. Set the COLOUR Control to minimum.
3. Set the mode SW. SA09 in the "TV" position.
4. Turn the SCREEN Control (on T461) fully counter-clockwise.
5. By rotating the RED, GREEN and BLUE CUT OFF Controls (R557, R558, R559) clockwise from the minimum, set them to the mid position.
6. Set the GREEN and BLUE DRIVE Controls (R252, R253) to the mid position.
7. Remove the 2 pin jumper plug (MV12) on AV Board to connect it to the socket PV14.
8. Rotate the SCREEN Control gradually clockwise until the first horizontal line of a colour (RED, GREEN or BLUE) appears slightly on the screen. Set the SCREEN Control to this position. At the base of the colour, rotate the remaining two CUT OFF Controls gradually clockwise until the horizontal lines of each colour appear slightly on the screen. Adjust the CUT OFF Controls to obtain the slightly lighted (RED, GREEN and BLUE). The lines may look like white if the CUT OFF Controls are adjusted properly.
10. Rotate the BRIGHTNESS and CONTRAST Controls to the maximum.
11. Adjust the BLUE and GREEN DRIVE Controls (R252/R253) to obtain proper white-balanced picture in high light areas.
12. Rotate the BRIGHTNESS and CONTRAST Controls to obtain dark grey raster. Then check the white balance in low brightness. If the white balance is not proper, retouch the CUT OFF Controls and DRIVE Controls to obtain a good white balance in both low and high light areas.

SUB-BRIGHTNESS ADJUSTMENT

1. The Tune in a colour programme.
2. Set the CONTRAST Control to the maximum and the BRIGHTNESS Control to the centre (click-position).
3. Set the COLOUR Control to the centre.
4. Set the SUB-BRIGHT. Control (R255) to the centre and leave the receiver for five minutes in this state.
5. Watching the picture well, adjust the SUB-BRIGHT. Control in the position where the picture does not show evidence of blooming in high bright area and not appear too dark in low bright portion.
6. Check the proper picture variation by rotating the CONTRAST and BRIGHTNESS Controls to both extremes.
7. If the picture does not appear dark with the CONTRAST and BRIGHTNESS Controls turned to the minimum, or not appear bright with the Controls turned to the maximum, adjust the SUB-BRIGHT. Control again for the acceptable picture.

COLOUR PURITY AND CONVERGENCE ADJUSTMENT

It should be remembered that the purity magnet and Deflection Yoke form part of the integrated tube components' assembly.

As these were aligned and fixed during manufacture, it is advisable that the sealing compound should not be broken and the replacement of the whole picture tube with neck components should be taken for servicing.

However the typical procedure for some model is described as follows only for reference.

Note: Before attempting any purity and/or convergence adjustments, the receiver should be operated for at least fifteen minutes.

COLOUR PURITY ADJUSTMENT

1. Demagnetize the picture tube and cabinet using a degaussing coil.
2. Turn the CONTRAST and BRIGHTNESS Controls to maximum.
3. Adjust RED and BLUE CUT OFF controls (R557 and R559) to provide only a green raster. Advance the GREEN CUT OFF Control (R558) if necessary.
4. Loosen the clamp screw holding the yoke, and slide the yoke backward or forward to provide vertical green belt (zone) in the picture screen.
5. Remove the Rubber Wedges
6. Rotate and spread the tabs of the purity magnet (See figure 6) around the neck of the picture tube until a green belt is obtained in the centre of the screen. And at the same time, centre the raster vertically by adjusting the magnet.
7. Move the yoke slowly forward or backward until a uniform green screen is obtained. Tighten the clamp screw.
8. Check the purity of the red and blue raster by adjusting the CUT OFF Controls.
9. Tighten the clamp screw of the yoke temporarily.
10. Obtain a white raster, referring to "CRT GREY SCALE ADJUSTMENT".
11. Proceed with convergence adjustment.

CONVERGENCE ADJUSTMENTS

■ Centre Convergence Adjustment

1. Receive crosshatch pattern with a colour bar signal generator.
2. Adjust the BRIGHTNESS and CONTRAST Controls for well defined pattern.
3. Adjust two tabs of the 4-Pole Magnets to change the angle between them (See figure 5.) and superimpose red and blue vertical lines in the centre area of the picture screen. (See figure 6.)
4. Turn the both tabs at the same time keeping the constant angle to superimpose red and blue horizontal lines at the centre of the screen. (See figure 3.)
5. Adjust two tabs of 6-Pole Magnets to superimpose red/blue line and green one. Adjusting the angle affects the vertical lines and rotating both magnets affects the horizontal lines.
6. Repeat adjustments 3, 4, 5 with understanding red, green and blue movement, because 4-Pole Magnets and 6-Pole Magnets have mutual affection and it makes dots movement complex.

■ Circumference Convergence Adjustment

1. Loosen the clamping screw of deflection yoke to allow the yoke to tilt.
2. Put a wedge as shown in figure 4 temporarily. (Do not remove cover paper on adhesive part of the wedge.)
3. Tilt front of the deflection yoke up or down to obtain better convergence in circumference. (See figure 6.) Push the mounted wedge into the space between picture tube and the yoke to fix the yoke temporarily.
4. Put other wedge into bottom space and remove the cover paper to stick.
5. Tilt front of the yoke right or left to obtain better convergence in circumference. (See figure 6.).
6. Keep the yoke position and put another wedge in either upper space. Remove cover paper and stick the wedge on picture tube to fix the yoke.
7. Detach the temporarily mounted wedge and put it in another upper space. Stick it on picture tube to fix the yoke.
8. After fixing three wedges, recheck overall convergence. Tighten the screw firmly to fix the yoke and check the yoke is firm.

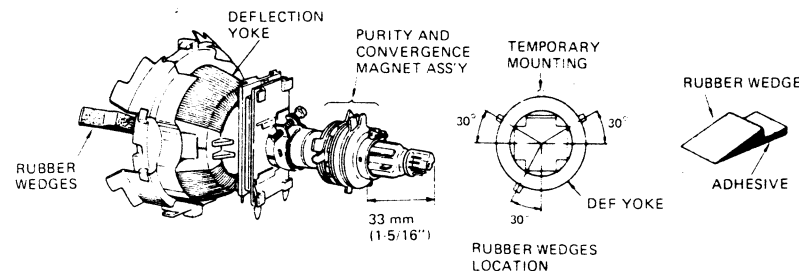


Figure 4.

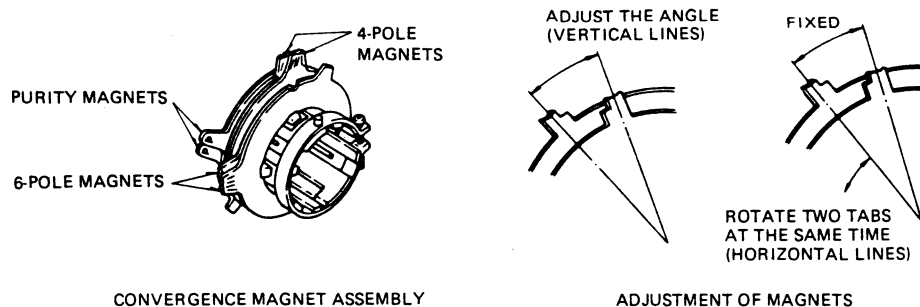
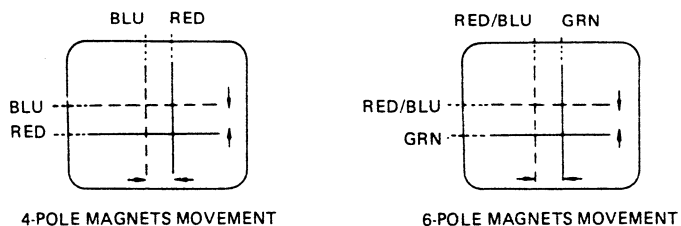
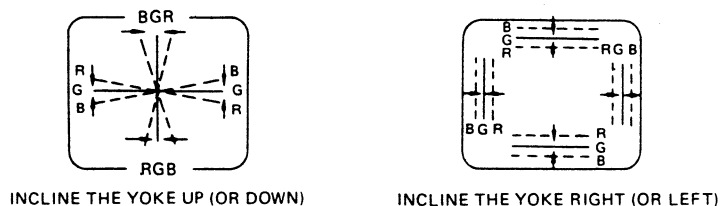


Figure 5.



Center Convergence by Convergence Magnets



Circumference Convergence by DEF Yoke

Figure 6. Dot Movement Pattern

GENERAL ALIGNMENT INSTRUCTIONS

1 GENERAL

The alignment procedures described below should only be used when absolutely necessary. The test equipment, alignment procedures and bias values specified must be used to ensure the correct operation of the television receiver.

2 EQUIPMENT TERMINATION

The alignment pads and probes have been designed to give optimum results when used with the specified test equipment. Incorrect matching will produce distorted waveforms or voltages making accurate alignment impossible. To avoid stray pick-up, when constructing pads and probes, keep any unshielded leads below 2.5 cm in length.

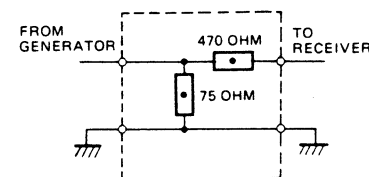
3 SIGNAL OVERLOADING

When using the sweep generator, keep the output as low as possible to avoid overloading. To check for this condition, turn the sweep generator output to minimum and then gradually increase the level until a response is obtained. If the level is then increased further, it should only change the amplitude and not the configuration of the response. If the response begins to flatter at the top or to drop below the base line, decrease the sweep generator output to restore the correct configuration of the response.

The oscilloscope gain should be as high as possible to maintain a usable pattern with the peak to peak values stated. This procedure will allow the sweep generator output to be kept low and thus avoid overloading. If 'markers' from a marker generator are inserted, the response should not be distorted.

4 TEST EQUIPMENT REQUIRED

1. Wide Band Oscilloscope
2. Colour Bar/Dot/Crosshatch Generator
3. TV Sweep and Marker Generator
4. High Impedance Voltmeter or DVM (Digital Volt Meter)
5. Multimeter
6. AGC Bias Supply (12V, 300 mA)
7. Direct Low Capacitance Probe
8. Matching Pad (See the figure below.)
9. External Degaussing Coil
10. Microscope, 10 or 12 times magnification (approximately), to allow observation of the dot structure of the C.R.T.



Matching Pad

PICTURE I-F SWEEP ALIGNMENT

- GENERAL Refer to Figure 7 for test equipment connection.
- PRELIMINARY STEPS 1. Disconnect the solder link SL-1 (ⓐ see Figure 7) on the foil side of the Main Board.
2. Supply +12 volts to the Main Board.
3. Supply adjustable bias to terminal "TP-14" on the Main Board.
4. Turn AGC DELAY Control (R151) on the Main Board fully clockwise.
- SWEEP/MARKER GENERATOR Connect to the point ⓐ as shown in Figure 7 on the Main Board.
- OSCILLOSCOPE Connect with detector probe to terminal TP-12 on the Main Board through 100k ohm resistor.

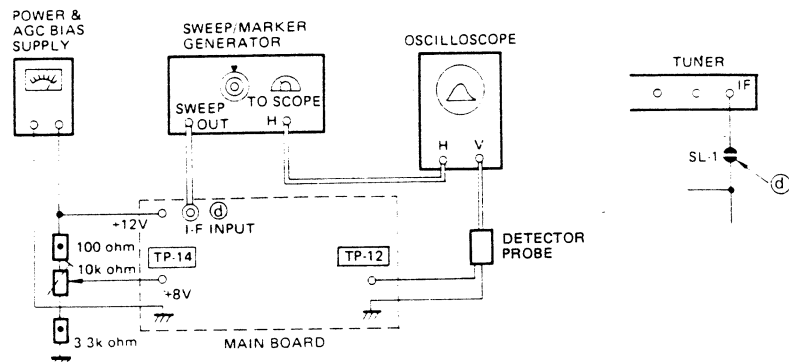


Figure 7. Picture I-F Sweep Alignment

STEP	SWEEP/MARKER GENERATOR	ADJUST	REMARKS
L103 ALIGNMENT Set Oscilloscope gain for 0.1 v/cm. Adjust sweep output for easy alignment. (See Figure 8.)			
Detector Coil (L103)	38.9MHz Marker "ON"	L103	<ul style="list-style-type: none"> Connect a capacitor 10μF to pin 25 of IC101 and ground for adjustment. Set the bias voltage so that the response becomes stable. (The bias must be under 8.6V.) Adjust L103 so that the reference OSC frequency moves just on the marker frequency (39.5 MHz) with the zero-beat response. See Figure 8.
After completing the above steps, disconnect the equipment and re-solder the solder links. Switch on the receiver, and adjust the AGC Delay control (R151) following DELAYED R-F AGC ADJUSTMENTS.			

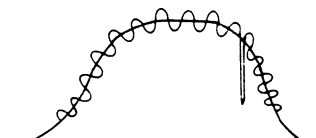
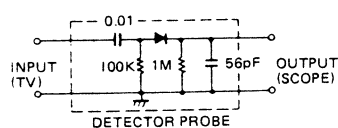


Figure 8. Adjusted Response with Zero-Beat

AFC ALIGNMENT

- GENERAL Refer to Figure 6 for test equipment connection.
- PRELIMINARY STEPS 1. Disconnect the solder link SL-1, SL-3 (ⓐ see Figure 7 and 9) on the foil side of the Main Board.
2. Supply +12 volts to the Main Board.
3. Turn AGC DELAY Control (R151) on the Main Board fully clockwise.
- DVM Connect direct probe to pin 16 of IC101 and ground.

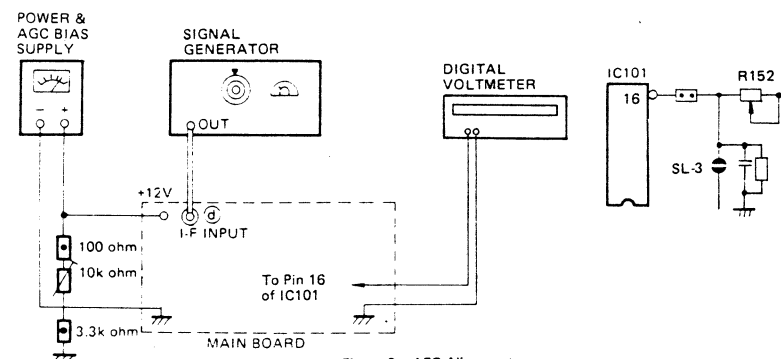


Figure 9. AFC Alignment

STEP	SIGNAL GENERATOR	ADJUST	REMARKS
1. AFC Balance	NO SIGNAL	R152	<ul style="list-style-type: none"> Short the pin 6 of IC101 to ground Adjust R152 for 4.3V at pin 16 of IC101.
2. AFC Detector	38.9 MHz CARRIER WAVE	L171	<ul style="list-style-type: none"> Connect IF carrier wave (60 dBμ or more) to the point ⓐ in Figure 7. Adjust L171 for 4.3V at pin 16 of IC101.
After completing the above steps, disconnect the equipment and re-solder the solder links. Check AFC operation is normal. Readjust AGC DELAY control (R151) following DELAYED R-F AGC ADJUSTMENTS.			

INFRARED SENSOR AMP ALIGNMENT (Remote Control Receiver)

TUNING FREQUENCY ADJUSTMENT

When LK01 CK01 is replaced, readjustment is required. During adjustment, keep the VOLUME DOWN Button on the remote control hand unit pressed.

1. Turn the TV set on.
2. Connect an oscilloscope across CK01. (See figure 10.)
3. Adjust LK01 for the maximum amplitude of waveform (See figure 11) while holding down VOLUME DOWN Button on the hand unit.

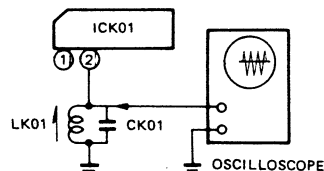


Figure 10. Equipment Connections

4. Rotate the core of LK01 for the maximum amplitude of waveform on the scope, clockwise from the fully counterclockwise position. (See figure 11.) Note: While adjustment, face the remote hand unit to such direction as to keep 1 Vp-p amplitude of waveform to prevent the saturation of response.
5. After completing adjustment, check the effective distance of the hand unit for approx. 5 meters or more.

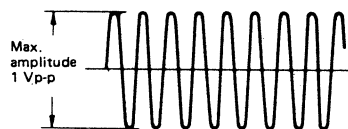


Figure 11. Waveform

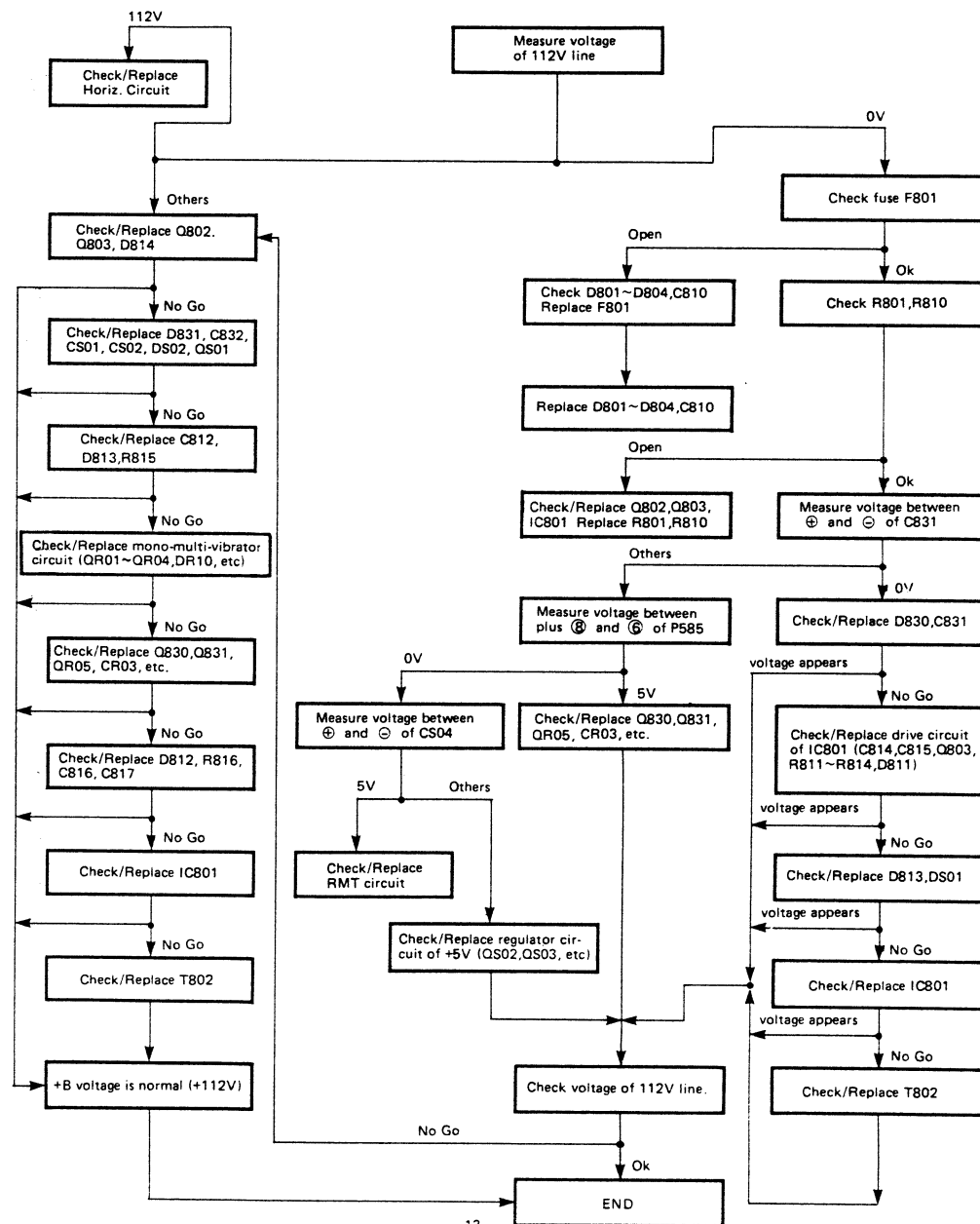
TROUBLESHOOTING CHARTS

The following charts are devoted to troubleshooting which, if followed carefully, will assist you in tracking down a fault to the correct stage.

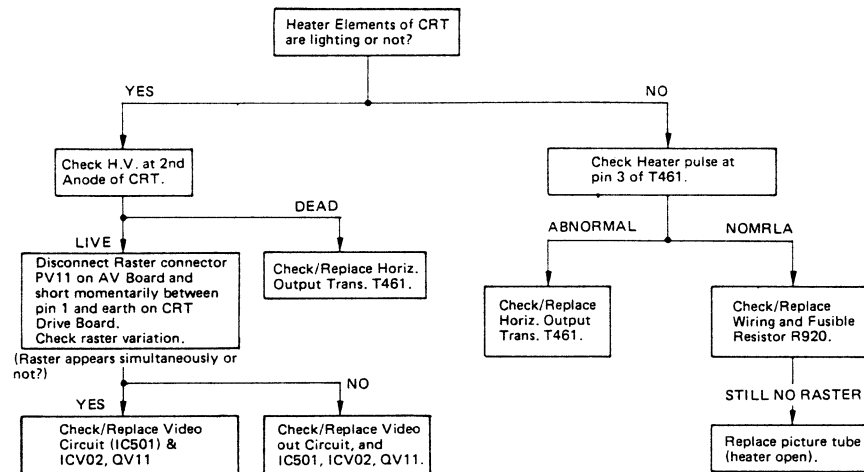
In order to utilize the charts (fault trees), firstly establish the complaint, i.e. — No Raster, No Sound.

Locate the chart applicable and then progress through the various alternatives until a final block indicates the offending components or stage.

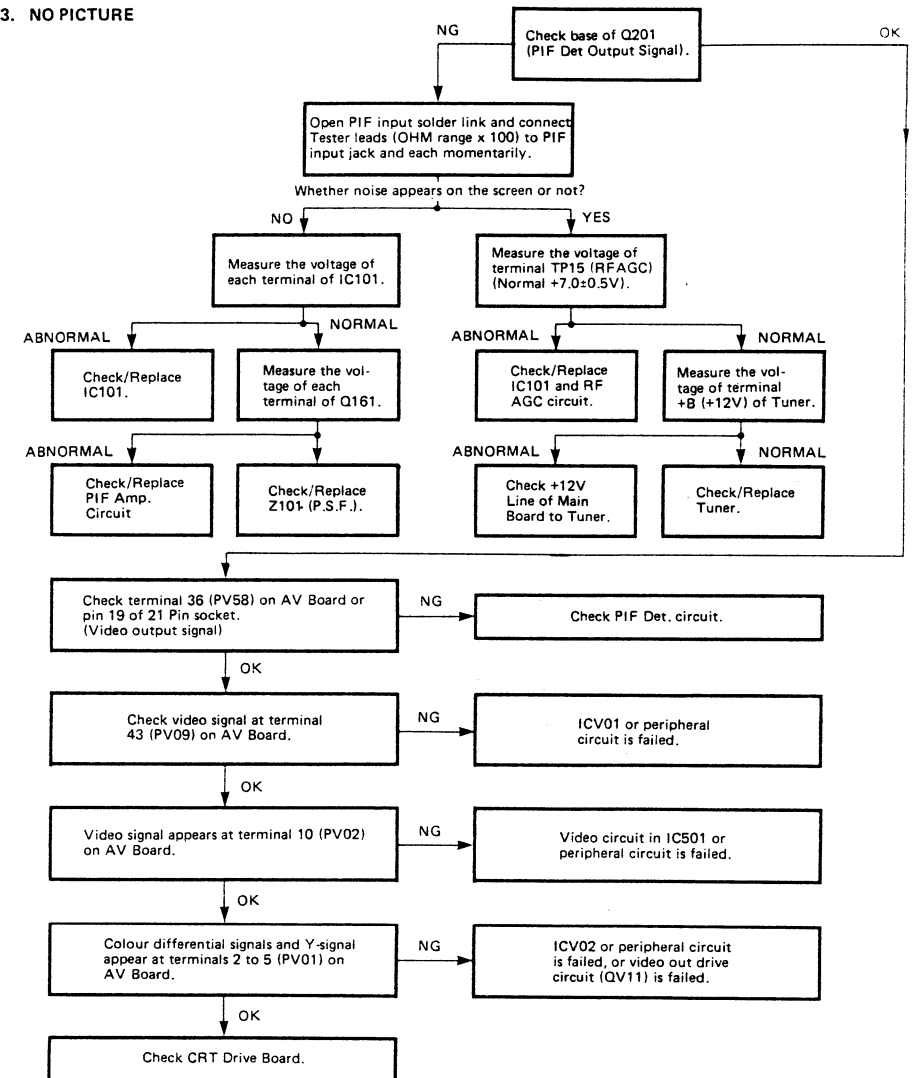
1. NO RASTER AND NO SOUND



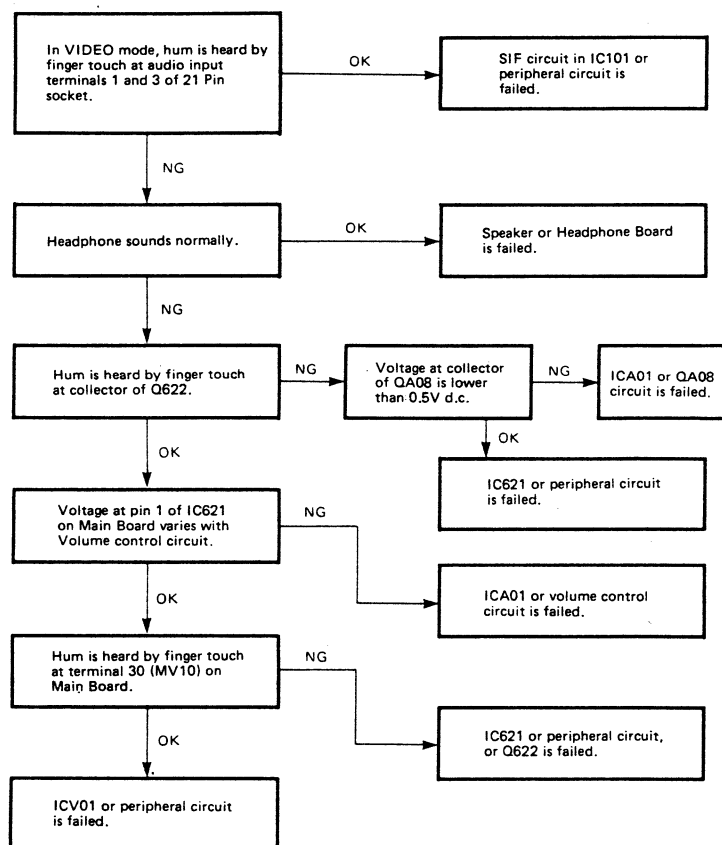
2. NO RASTER (SOUND OK)



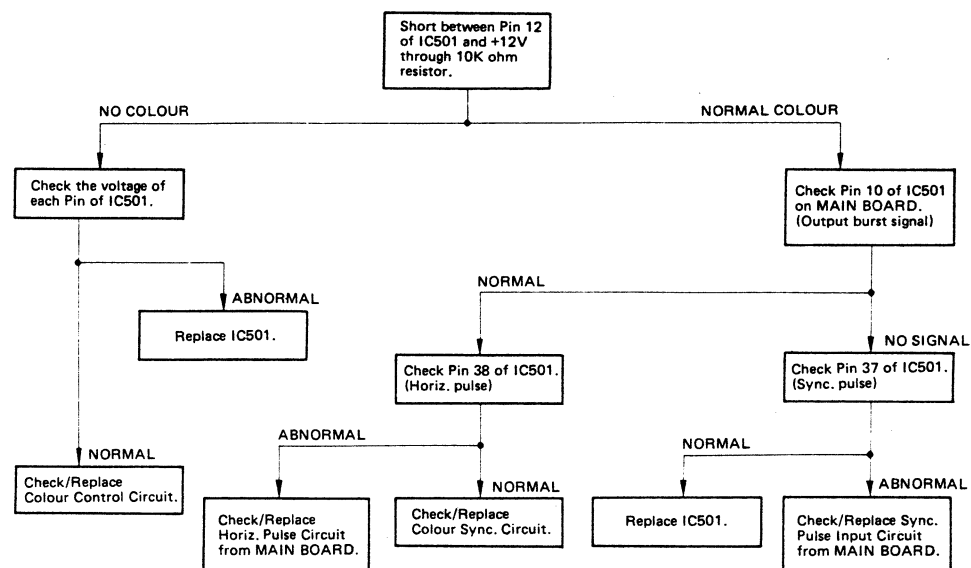
3. NO PICTURE



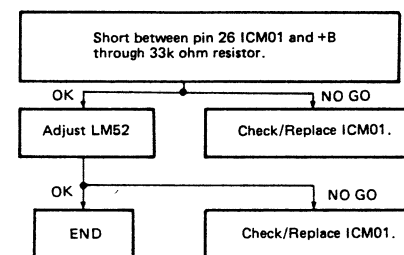
4. NO SOUND



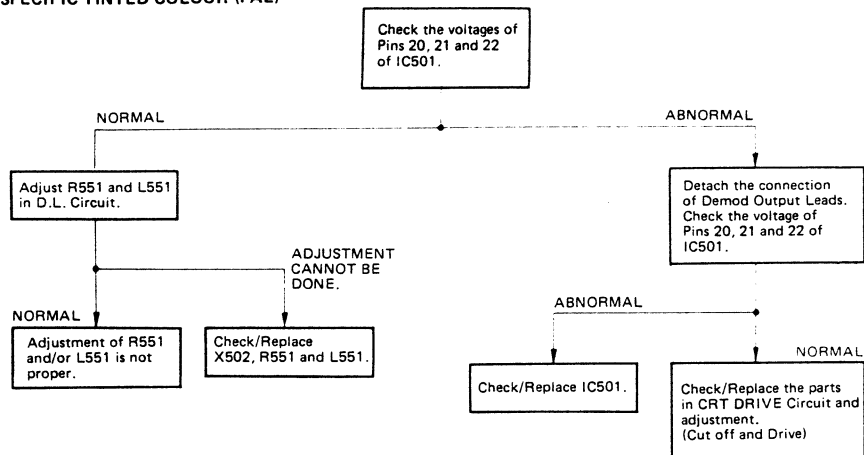
5. NO COLOUR (PAL)



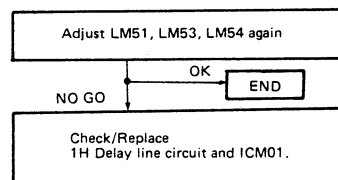
NO COLOUR (SECAM)



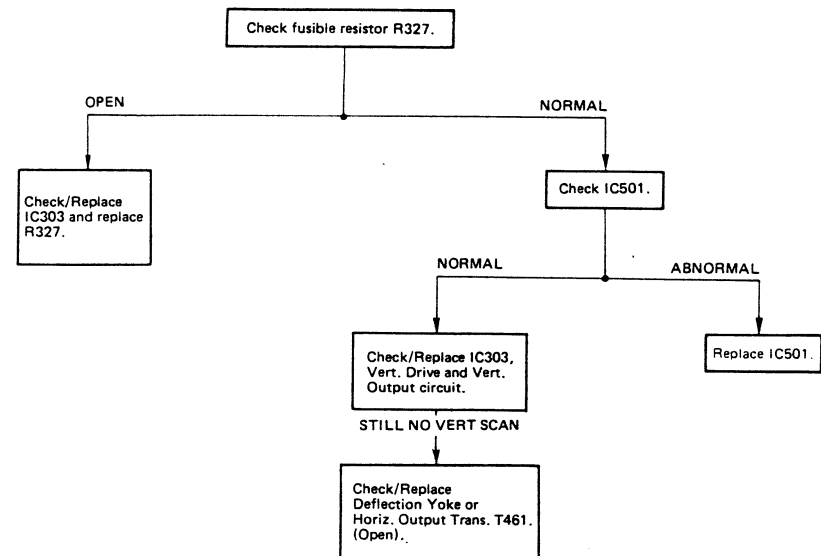
6. SPECIFIC TINTED COLOUR (PAL)



• SPECIFIC TINTED COLOUR (SECAM)



7. NO VERT. SCAN (ONE HORIZ. LINE RASTER)



8. OUT OF VERT. SYNC. AND HORIZ. SYNC.

Check/Replace Sync. Circuit from pin 40 of IC501 to pin 37 or IC501.

9. OUT OF VERT. SYNC.

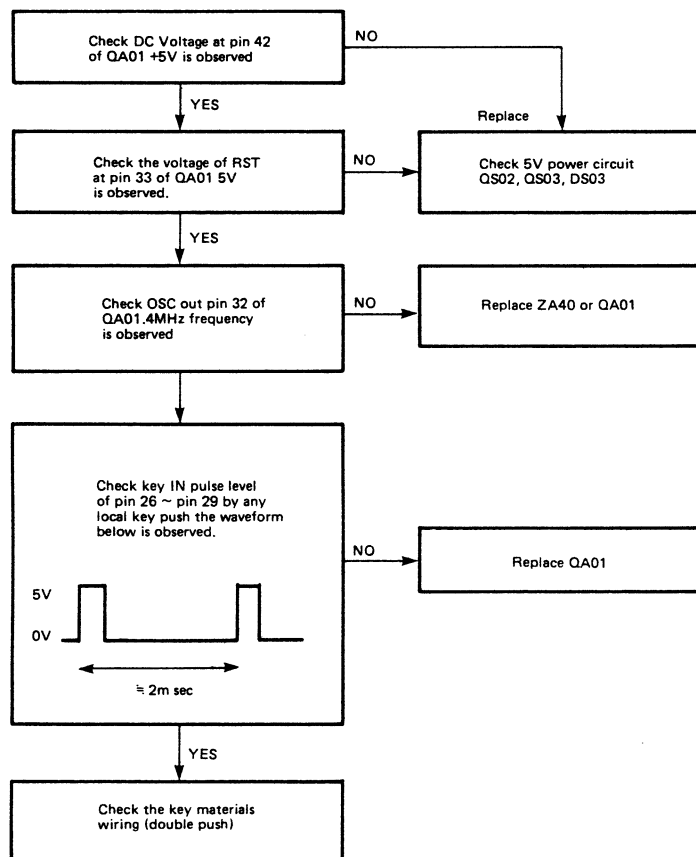
Check/Replace Vert. OSC Circuit and Vert. Hold Circuit connected to Pins 26, 27 and 29 or IC501. Check/Replace IC501.

10. OUT OF HORIZ. SYNC.

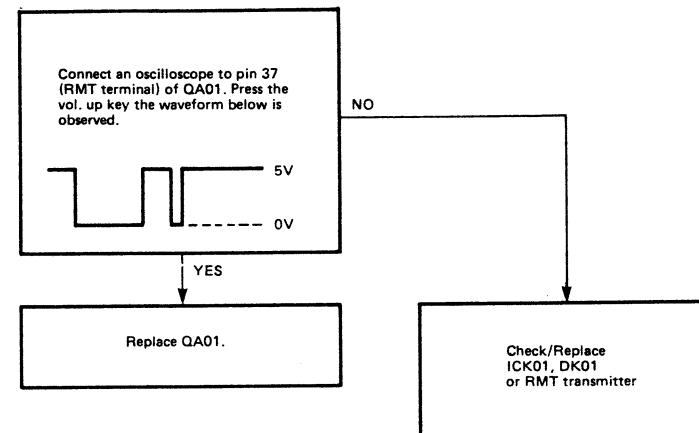
Check/Replace Horiz. OSC Circuit, Horiz. Hold and Horiz. AFC Circuit connected to Pins 23 and 34 of IC501. Check/Replace IC501.

11. CHANNEL SELECTOR TROUBLE

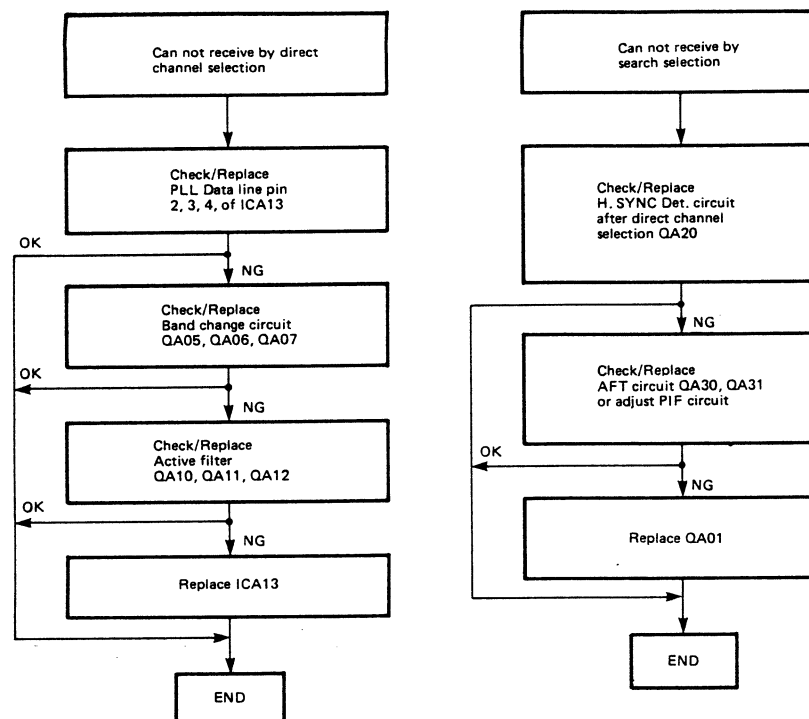
(1) Can not be controlled by any local and any RMT key.



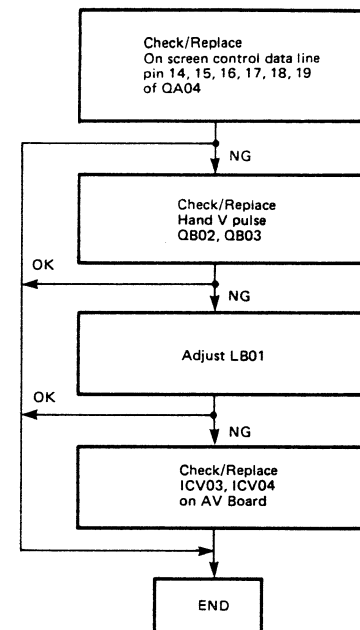
(2) Can not be controlled by any RMT key.



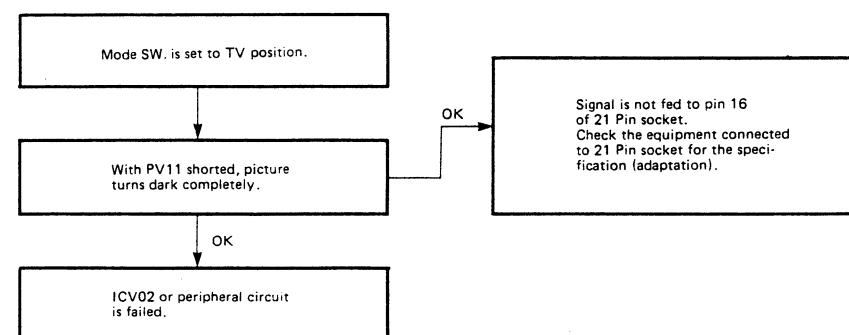
(4) Multifunction of tuning



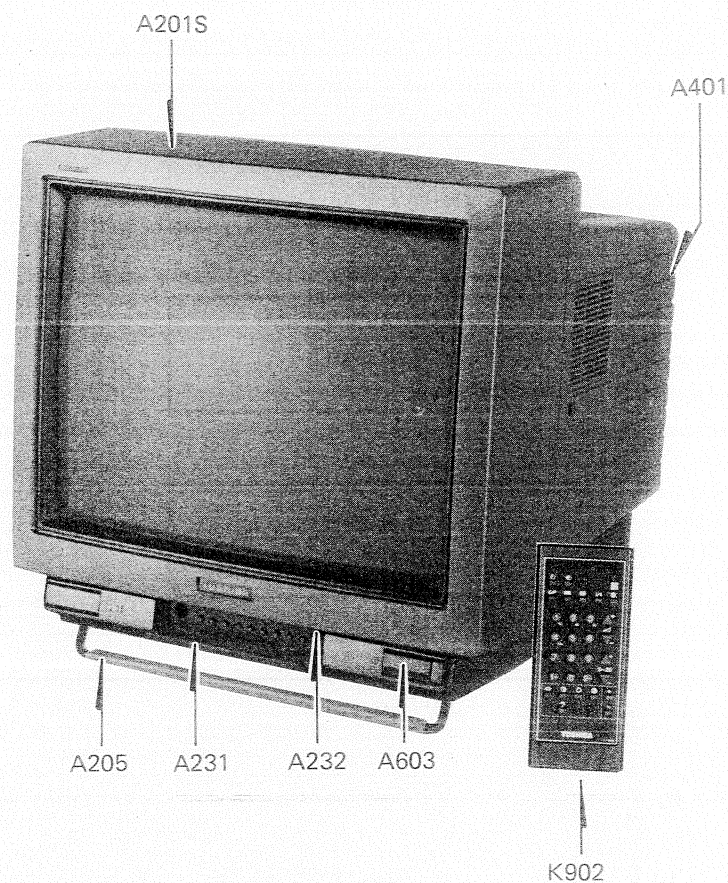
(5) No on screen display



12. 21PIN/TROUBLE



CABINET REPLACEMENT PART LIST



Location No.	Part No.	Description
A201S	23807115	Front Cover
A205	23805625	Stand Assembly(LEG)
A218	23846422	Piece(B)
A231	23999826	Door
A232	70368125	Puch Catch
A401	23990052	Back Cover
A411	23992073	Label, Model Number B/C
A413	23805614	LEG(Rubber)
A431	23990052	Back Cover, Proper
A603	23874277	Knob, POWER
A701	23924413	Case
A702	23934807	Packing, Bottom
A703	23934808	Packing, Top
A710	23992052	Label, Model Number
B102	23848053	Holder, Back Terminal
K902	23120713	Remote Hand Unit, CT-9176
Y001	23994239	Owner's Manual
Y125	23124935	VHF, Aerial Telescopic
Y145	23293977	Adapter, Aerial Matching

CHASSIS REPLACEMENT PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

CAUTION: The international hazard symbols in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 2. Do not degrade the safety of the receiver through improper servicing.

NOTICE: The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.

Model 150F6D

ABBREVIATIONS:

Capacitors CD: Ceramic Disk, PF: Plastic Film, EL: Electrolytic

Resistors CF: Carbon Film, CC: Carbon Composition, OMF: Oxide Metal Film, VR: Variable Resistor.

MF: Metal Film, FR: Fusible Resistor.

(All CD and PF capacitors are $\pm 5\%$, 50v and all resistors, $\pm 5\%$, 1/6w unless otherwise noted.)

Location No.	Part No.	Description
CAPACITORS		
C101	24212102	CD, 1000pF, $\pm 10\%$
C102	24636229	EL, 2.2 μ F, 50V
C103	24232103	CD, 0.01 μ F, +80%, -20%
C104	24232103	CD, 0.01 μ F, +80%, -20%
C105	24636229	EL, 2.2 μ F, 50V
C106	24617994	EL, 0.47 μ F, $\pm 20\%$, 50V
C107	24633330	EL, 33 μ F, 16V
C108	24232103	CD, 0.01 μ F, +80%, -20%
C109	24794101	EL, 100 μ F, 16V
C110	24794101	EL, 100 μ F, 16V
C115	24212102	CD, 1000pF, $\pm 10\%$
C121	24636478	EL, 0.47 μ F, 50V
C130	24232103	CD, 0.01 μ F, +80%, -20%
C131	24633330	EL, 33 μ F, 16V
C132	24636010	EL, 1 μ F, 50V
C162	24232103	CD, 0.01 μ F, +80%, -20%
C163	24212102	CD, 1000pF, $\pm 10\%$
C164	24212102	CD, 1000pF, $\pm 10\%$
C165	24356201	CD, 200pF
C170	24436120	CD, 12pF
C171	24232103	CD, 0.01 μ F, +80%, -20%
C201	24436220	CD, 22pF
C202	24436560	CD, 56pF
C204	24636010	EL, 1 μ F, 50V
C207	24636100	EL, 10 μ F, 50V
C210	24436560	CD, 56pF
C219	24633100	EL, 10 μ F, 16V
C230	24636100	EL, 10 μ F, 50V
C240	24636479	EL, 4.7 μ F, 50V
C242	24636010	EL, 1 μ F, 50V
C301	24636010	EL, 1 μ F, 50V
C302	24232103	CD, 0.01 μ F, +80%, -20%
C303	24212561	CD, 560pF, $\pm 10\%$
C304	24530102	PF, 1000pF, $\pm 10\%$, 63V
C305	24530153	PF, 0.015 μ F, $\pm 10\%$, 63V
C306	24538224	PF, 0.22 μ F
C307	24212101	CD, 100pF, $\pm 10\%$
C309	24617981	EL, 2.2 μ F, $\pm 10\%$, 50V
C310	24636478	EL, 0.47 μ F, 50V
C311	24796102	EL, 1000 μ F, 35V

Location No.	Part No.	Description
C312	24232103	CD, 0.01 μ F, +80%, -20%
C313	24797101	EL, 100 μ F, 50V
C316	24795472	EL, 4700 μ F, 25V
C317	24617997	EL, 2.2 μ F, $\pm 10\%$, 50V
C318	24214332	CD, 3300pF, $\pm 10\%$, 500V
C319	24636478	EL, 0.47 μ F, 50V
C320	24530104	PF, 0.1 μ F, $\pm 10\%$, 63V
C371	24530682	PF, 6800pF, $\pm 10\%$, 63V
C401	24593822	PF, 8200pF
C402	24636478	EL, 0.47 μ F, 50V
C403	24598562	PF, 5600pF
C405	24598302	PF, 3000pF
C406	24636229	EL, 2.2 μ F, 50V
C407	24636229	EL, 2.2 μ F, 50V
C408	24635100	EL, 10 μ F, 35V
C409	24232103	CD, 0.01 μ F, +80%, -20%
C410	24212152	CD, 1500pF, $\pm 10\%$
C416	24214271	CD, 270pF, $\pm 10\%$, 500V
C430	24591182	PF, 1800pF
△ C440	24095894	PF, 5600pF, $\pm 3\%$, 1600V
C441	24214221	CD, 220pF, $\pm 10\%$, 500V
C442	24095949	PF, 0.33 μ F, 200V
△ C444	24442681	CD, 680pF, $\pm 10\%$, 2kV
C445	24095903	PF, 0.056 μ F, 250V
C447	24644479	EL, 4.7 μ F, 250V
C448	24794222	EL, 2200 μ F, 16V
C449	24794471	EL, 470 μ F, 16V
C451	24640972	EL, 33 μ F, 160V
C463	24212222	CD, 2200pF, $\pm 10\%$
C501	24436150	CD, 15pF
C502	24436100	CD, 10pF, ± 0.25 pF
C504	24636010	EL, 1 μ F, 50V
C505	24636100	EL, 10 μ F, 50V
C506	24232103	CD, 0.01 μ F, +80%, -20%
C507	24232103	CD, 0.01 μ F, +80%, -20%
C509	24232103	CD, 0.01 μ F, +80%, -20%
C510	24232103	CD, 0.01 μ F, +80%, -20%
C511	24232103	CD, 0.01 μ F, +80%, -20%
C513	24232103	CD, 0.01 μ F, +80%, -20%
C514	24636478	EL, 0.47 μ F, 50V
C515	24436270	CD, 27pF

Location No.	Part No.	Description
C516	24353330	CD, 33pF
C517	24353680	CD, 68pF
C518	24636479	EL, 4.7 μ F, 50V
C519	24692223	PF, 0.022 μ F
C520	24692223	PF, 0.022 μ F
C523	24530473	PF, 0.047 μ F, $\pm 10\%$, 63V
C524	24436270	CD, 27pF
C527	24636100	EL, 10 μ F, 50V
C528	24436121	CD, 120pF
C529	24436121	CD, 120pF
C531(U901)	24212471	CD, 470pF, $\pm 10\%$
C531(U902)	24436220	CD, 22pF
C532	24212471	CD, 470pF, $\pm 10\%$
C533	24212471	CD, 470pF, $\pm 10\%$
C601	24436470	CD, 47pF
C602	24436470	CD, 47pF
C603	24530224	PF, 0.22 μ F, $\pm 10\%$, 63V
C604	24232103	CD, 0.01 μ F, +80%, -20%
C605	24633330	EL, 33 μ F, 16V
C606	24530223	PF, 0.022 μ F, $\pm 10\%$, 63V
C607	24353120	CD, 12pF
C628	24636229	EL, 2.2 μ F, 50V
C629	24530104	PF, 0.1 μ F, $\pm 10\%$, 63V
C630	24794101	EL, 100 μ F, 16V
C631	24530224	PF, 0.22 μ F, $\pm 10\%$, 63V
C632	24636010	EL, 1 μ F, 50V
C633	24530332	PF, 0.033 μ F, $\pm 10\%$, 63V
C635	24436101	CD, 100pF
C636	24795102	EL, 1000 μ F, 25V
C637	24795102	EL, 1000 μ F, 25V
C647	24636229	EL, 2.2 μ F, 50V
C661	24232103	CD, 0.01 μ F, +80%, -20%
C662	24232103	CD, 0.01 μ F, +80%, -20%
C680	24212681	CD, 680pF, $\pm 10\%$
C681	24212471	CD, 470pF, $\pm 10\%$
C682	24636010	EL, 1 μ F, 50V
C683	24232103	CD, 0.01 μ F, +80%, -20%
C685	24636010	EL, 1 μ F, 50V
△ C801	24098999	PF, 0.1 μ F, $\pm 20\%$, AC250V
△ C802	24098999	PF, 0.1 μ F, $\pm 20\%$, AC250V
C803	24094906	CD, 4700pF, +80%, -20%, AC250V
C804	24094906	CD, 4700pF, +80%, -20%, AC250V
C805	24094906	CD, 4700pF, +80%, -20%, AC250V
C806	24094906	CD, 4700pF, +80%, -20%, AC250V
C810	24086949	EL, 120 μ F, 400V
C811	24442391	CD, 390pF, $\pm 10\%$, 2kV
C812	24641220	EL, 22 μ F, 100V
C813	24214331	CD, 330pF, $\pm 10\%$, 500V
C814	24636101	EL, 100 μ F, 50V
C815	24591223	PF, 0.022 μ F
C816	24820103	PF, 0.01 μ F, 630V
C817	24442561	CD, 560pF, $\pm 10\%$, 2kV
C818	24212681	CD, 680pF, $\pm 10\%$
C823	24633101	EL, 100 μ F, 16V
C830	24442181	CD, 180pF, $\pm 10\%$, 2kV
C831	24086953	EL, 220 μ F, $\pm 20\%$, 160V
△ C832	24795102	EL, 1000 μ F, 25V
C881	24094656	CD, 2200pF, $\pm 20\%$, AC400V
C882	24094656	CD, 2200pF, $\pm 20\%$, AC400V
C901	24644010	EL, 1 μ F, 250V

Location No.	Part No.	Description
C902	24095923	PF, 4700pF, 1600V
CA01	24636010	EL, 1 μ F, 50V
CA02	24232103	CD, 0.01 μ F, +80%, -20%
CA11	24591103	PF, 0.01 μ F
CA12	24538104	PF, 0.1 μ F
CA20	24212681	CD, 680pF, $\pm 10\%$
CA21	24591152	PF, 1500pF
CA33	24538104	PF, 0.1 μ F
CA40	24436101	CD, 100pF
CA41	24436101	CD, 100pF
CA42	24212102	CD, 1000pF, $\pm 10\%$
CA43	24436240	CD, 24pF
CA44	24436240	CD, 24pF
CA45	24212102	CD, 1000pF, $\pm 10\%$
CA46	24212102	CD, 1000pF, $\pm 10\%$
CA47	24232103	CD, 0.01 μ F, +80%, -20%
CA61	24636330	EL, 33 μ F, 50V
CA70	24636100	EL, 10 μ F, 50V
CA71	24232103	CD, 0.01 μ F, +80%, -20%
CA72	24636100	EL, 10 μ F, 50V
CA80	24232103	CD, 0.01 μ F, +80%, -20%
CA81	24633100	EL, 10 μ F, 16V
CA82	24232103	CD, 0.01 μ F, +80%, -20%
CA83	24633470	EL, 47pF, 16V
CA87	24633100	EL, 10 μ F, 16V
CA88	24641010	EL, 1 μ F, 100V
CA89	24232103	CD, 0.01 μ F, +80%, -20%
CB01	24232103	CD, 0.01 μ F, +80%, -20%
CB02	24436101	CD, 100pF
CB03	24212102	CD, 1000pF, $\pm 10\%$
CB10	24436101	CD, 100pF
CB11	24436101	CD, 100pF
CB12	24436101	CD, 100pF
CB13	24436101	CD, 100pF
CB80	24633100	EL, 10 μ F, 16V
CB81	24232103	CD, 0.01 μ F, +80%, -20%
CH01	24206100	EL, 10 μ F, 50V
CH04	24232103	CD, 0.01 μ F, +80%, -20%
CH05	24232103	CD, 0.01 μ F, +80%, -20%
CH06	24212102	CD, 1000pF, $\pm 10\%$
CH08	24212102	CD, 1000pF, $\pm 10\%$
CH11	24206229	EL, 2.2 μ F, 50V
CH12	24206010	EL, 1 μ F, 50V
CH18	24794331	EL, 330 μ F, 16V
CH20	24206010	EL, 1 μ F, 50V
CH21	24206010	EL, 1 μ F, 50V
CH22	24206010	EL, 1 μ F, 50V
CH32	24232103	CD, 0.01 μ F, +80%, -20%
CH80	24232103	CD, 0.01 μ F, +80%, -20%
CH81	24206100	EL, 10 μ F, 50V
CH83	24794331	EL, 330 μ F, 16V
CH90	24232103	CD, 0.01 μ F, +80%, -20%
CH91	24206229	EL, 2.2 μ F, 50V
CH92	24206100	EL, 10 μ F, 50V
CH95	24794331	EL, 330 μ F, 16V
CK01	24501222	PF, 2200pF
CK02	24530683	PF, 0.068 μ F, $\pm 10\%$, 63V
CK03	24633100	EL, 10 μ F, 16V
CK04	24633330	EL, 33 μ F, 16V
CK05	24633100	EL, 10 μ F, 16V
CK06	24794101	EL, 100 μ F, 16V
CK07	24593222	PF, 2200pF
CM01	24357220	CD, 22pF
CM07	24636010	EL, 1 μ F, 50V

Location No.	Part No.	Description
CM09	24232103	CD, 0.01 μ F, +80%, -20%
CM10	24232103	CD, 0.01 μ F, +80%, -20%
CM11	24636478	EL, 0.47 μ F, 50V
CM14	24232103	CD, 0.01 μ F, +80%, -20%
CM15	24636010	EL, 1 μ F, 50V
CM17	24636010	EL, 1 μ F, 50V
CM19	24636010	EL, 1 μ F, 50V
CM21	24633100	EL, 10 μ F, 16V
CM23	24633100	EL, 10 μ F, 16V
CM25	24212102	CD, 1000pF, \pm 10%
CM26	24232103	CD, 0.01 μ F, +80%, -20%
CM27	24636010	EL, 1 μ F, 50V
CM28	24359390	CD, 39pF
CM29	24359680	CD, 68pF
CM31	24436331	CD, 330pF
CM32	24212102	CD, 1000pF, \pm 10%
CM33	24359390	CD, 39pF
CM34	24359560	CD, 56pF
CM36	24436331	CD, 330pF
CM38	24633100	EL, 10 μ F, 16V
CM39	24633100	EL, 10 μ F, 16V
CM40	24794331	EL, 330 μ F, 16V
CM41	24474103	CD, 0.01 μ F, 16V
CM43	24474103	CD, 0.01 μ F, 16V
CM44	24474103	CD, 0.01 μ F, 16V
CM45	24633470	EL, 47pF, 16V
CM46	24474151	CD, 150pF, \pm 10%
CM47	24474151	CD, 150pF, \pm 10%
CM48	24474151	CD, 150pF, \pm 10%
CM62	24473470	CD, 47pF
CM63	24473470	CD, 47pF
CM64	24232103	CD, 0.01 μ F, +80%, -20%
CM65	24232103	CD, 0.01 μ F, +80%, -20%
CM70	24357820	CD, 82pF
CM71	24212821	CD, 820pF, \pm 10%
CM73	24593122	PF, 1200pF
CR01	24095877	PF, 1000pF
CR02	24436470	CD, 47pF
CR03	24633220	EL, 22 μ F, 16V
CS01	24798470	EL, 47 μ F, 100V
CS02	24636100	EL, 10 μ F, 50V
CS03	24633470	EL, 47 μ F, 16V
CS04	24633100	EL, 10 μ F, 16V
CS05	24214221	CD, 220pF, \pm 10%, 500V
CV01	24636010	EL, 1 μ F, 50V
CV02	24636010	EL, 1 μ F, 50V
CV03	24232103	CD, 0.01 μ F, +80%, -20%
CV13	24538104	PF, 0.1 μ F
CV14	24538104	PF, 0.1 μ F
CV15	24538104	PF, 0.1 μ F
CV30	24636100	EL, 10 μ F, 50V
CV60	24085031	EL, 1 μ F, \pm 20%, 25V, Non-Polar
CV61	24232103	CD, 0.01 μ F, +80%, -20%
CV70	24636010	EL, 1 μ F, 50V
CV71	24636010	EL, 1 μ F, 50V
CV72	24636010	EL, 1 μ F, 50V
CV73	24636010	EL, 1 μ F, 50V
CV74	24636010	EL, 1 μ F, 50V
CV75	24636010	EL, 1 μ F, 50V
CV80	24636100	EL, 10 μ F, 50V
CV81	24232103	CD, 0.01 μ F, +80%, -20%
CV82	24794102	EL, 1000 μ F, 16V
CV83	24232103	CD, 0.01 μ F, +80%, -20%

Location No.	Part No.	Description
CV84	24633470	EL, 47pF, 16V
CV85	24232103	CD, 0.01 μ F, +80%, -20%
CV86	24636100	EL, 10 μ F, 50V
CV87	24633100	EL, 10 μ F, 16V
CV88	24232103	CD, 0.01 μ F, +80%, -20%
CV89	24636010	EL, 1 μ F, 50V
CZ01	24094681	Capacitor Block, 2200pFx4, 50V
RESISTORS		
R101	24890122	CF, 1200 ohm, 1/4W
R105	24890221	CF, 220 ohm, 1/4W
R107	24366824	CF, 820k ohm
R109	24366104	CF, 100k ohm
R120	24366222	CF, 2200 ohm
R121	24366562	CF, 5600 ohm
R122	24366362	CF, 3600 ohm
R124	24366473	CF, 47k ohm
R125	24366430	CF, 43 ohm
R126	24366561	CF, 560 ohm
△ R130	24382680	OMF, 68 ohm, 1W
R151	24066953	VR, 5k ohm, 1/10W
R152	24066946	VR, 1M ohm, 1/10W
R161	24366820	CF, 82 ohm
R162	24366102	CF, 1k ohm
R163	24366562	CF, 5600 ohm
R164	24366221	CF, 220 ohm
R165	24366471	CF, 470 ohm
R166	24366270	CF, 27 ohm
R167	24366680	CF, 68 ohm
R168	24366271	CF, 270 ohm
R171	24366334	CF, 330k ohm
R172	24366102	CF, 1k ohm
R201	24366331	CF, 330 ohm
R202	24366102	CF, 1k ohm
R203	24366152	CF, 1500 ohm
R204	24366152	CF, 1500 ohm
R207	24890152	CF, 1500 ohm, 1/4W
R208	24366824	CF, 820k ohm
R209	24366104	CF, 100k ohm
R210	24366152	CF, 1500 ohm
R212	24366153	CF, 15k ohm
R213	24366103	CF, 10k ohm
R214	24366682	CF, 6800 ohm
R216	24366103	CF, 10k ohm
R217	24366223	CF, 22k ohm
R218	24366101	CF, 100 ohm
R220	24366152	CF, 1500 ohm
R224	24366153	CF, 15k ohm
R225	24366103	CF, 10k ohm
R226	24366332	CF, 3300 ohm
R227	24366102	CF, 1k ohm
R228	24890244	CF, 240k ohm, 1/4W
R229	24366562	CF, 5600 ohm
R233	24366221	CF, 220 ohm
R234	24366102	CF, 1k ohm
R235	24366332	CF, 3300 ohm
R236	24366332	CF, 3300 ohm
R237	24366562	CF, 5600 ohm
R238	24366103	CF, 10k ohm
R240	24366333	CF, 33k ohm
R241	24366104	CF, 100k ohm
R242	24366474	CF, 470k ohm
R243	24366823	CF, 82k ohm

Location No.	Part No.	Description
△ R248	24552391	OMF, 390 ohm, 1/2W
R249	24890101	CF, 100 ohm, 1/4W
R252	24061613	VR, 200 ohm, 1/10W
R253	24061613	VR, 200 ohm, 1/10W
R255	24061609	VR, 5k ohm, 1/10W
R265	24890121	CF, 120 ohm, 1/4W
R301	24890561	CF, 560 ohm, 1/4W
R302	24366564	CF, 560k ohm
R303	24890225	CF, 2.2M ohm, 1/4W
R304	24366103	CF, 10k ohm
R306	24366681	CF, 680 ohm
R307	24366563	CF, 56k ohm
R308	24366393	CF, 39k ohm
R309	24890224	CF, 220k ohm, 1/4W
R310	24946825	CC, 8.2M ohm, $\pm 10\%$, 1/2W
R311	24890273	CF, 27k ohm, 1/4W
R315	24890223	CF, 22k ohm, 1/4W
R316	24366474	CF, 470k ohm
△ R317	24552102	OMF, 1k ohm, 1/2W
R319	24366182	CF, 1800 ohm
R320	24366102	CF, 1k ohm
△ R321	24552222	OMF, 2200 ohm, 1/2W
△ R322	24009950	OMF, 750 ohm, 1W
△ R323	24322129	OMF, 1.2 ohm, 1W
R324	24890163	CF, 16k ohm, 1/4W
△ R327	24532100	FR, 10 ohm, 1W
△ R331	24553202	OMF, 2k ohm, 1W
R333	24366331	CF, 330 ohm
△ R340	24552122	OMF, 1200 ohm, 1/2W
△ R341	24552122	OMF, 1200 ohm, 1/2W
△ R342	24552122	OMF, 1200 ohm, 1/2W
R351	24066948	VR, 200k ohm, 1/10W
R352	24061606	VR, 50k ohm, 1/10W
R381	24366272	CF, 2700 ohm
R382	24366823	CF, 82k ohm
R401	24366431	CF, 430 ohm
R402	24890103	CF, 10k ohm, 1/4W
R403	24366332	CF, 3300 ohm
R404	24366222	CF, 2200 ohm
R405	24366333	CF, 33k ohm
R406	24366154	CF, 150k ohm
△ R407	24552221	OMF, 220 ohm, 1/2W
R408	24366182	CF, 1800 ohm
△ R409	24552121	OMF, 120 ohm, 1/2W
△ R410	24000947	OMF, 15k ohm, $\pm 2\%$, 1/2W
R411	24366330	CF, 33 ohm
△ R416	24009992	OMF, 2k ohm, 3W
△ R420	24009951	OMF, 1k ohm, 1W
△ R421	24009951	OMF, 1k ohm, 1W
R430	24366682	CF, 6800 ohm
△ R431	24552432	OMF, 4300 ohm, 1/2W
△ R440	24376103	CF, 10k ohm, 1/2W
△ R441	24376103	CF, 10k ohm, 1/2W
△ R444	24321109	OMF, 1 ohm, 1/2W
△ R448	24547249	FR, 2.4 ohm, 1W
R451	24066952	VR, 10k ohm, 1/10W
△ R461	24552181	OMF, 180 ohm, 1/2W
R501	24890821	CF, 820 ohm, 1/4W
R502	24366272	CF, 2700 ohm
R503	24890562	CF, 5600 ohm, 1/4W
R504	24366334	CF, 330k ohm
R505	24366183	CF, 18k ohm
R506	24890182	CF, 1800 ohm, 1/4W
R509	24366391	CF, 390 ohm

Location No.	Part No.	Description
R510	24366471	CF, 470 ohm
R511	24366223	CF, 22k ohm
R512	24366104	CF, 100k ohm
R513	24366103	CF, 10k ohm
R514	24366471	CF, 470 ohm
R515	24366821	CF, 820 ohm
R516	24366221	CF, 220 ohm
R517	24366823	CF, 82k ohm
R518	24366273	CF, 27k ohm
R519	24890273	CF, 27k ohm, 1/4W
R520	24366122	CF, 1200 ohm
R522	24366272	CF, 2700 ohm
R524	24366272	CF, 2700 ohm
R525	24366101	CF, 100 ohm
R526	24366272	CF, 2700 ohm
R527	24366101	CF, 100 ohm
R528	24366101	CF, 100 ohm
R529	24366101	CF, 100 ohm
△ R533	24553433	OMF, 43k ohm, 1W
△ R534	24553433	OMF, 43k ohm, 1W
△ R535	24553433	OMF, 43k ohm, 1W
R540	24890151	CF, 150 ohm, 1/4W
R541	24890161	CF, 160 ohm, 1/4W
R542	24890161	CF, 160 ohm, 1/4W
R543	24890221	CF, 220 ohm, 1/4W
R544	24890221	CF, 220 ohm, 1/4W
R545	24890221	CF, 220 ohm, 1/4W
R551	24066826	VR, 1k ohm, $\pm 20\%$
R557	24061609	VR, 5k ohm, 1/10W
R558	24061609	VR, 5k ohm, 1/10W
R559	24061609	VR, 5k ohm, 1/10W
R563	24366183	CF, 18k ohm
△ R591	24009974	OMF, 15k ohm, 2W
△ R592	24009974	OMF, 15k ohm, 2W
△ R593	24009974	OMF, 15k ohm, 2W
R602	24366331	CF, 330 ohm
R605	24366183	CF, 18k ohm
R606	24366102	CF, 1k ohm
R607	24366222	CF, 2200 ohm
R608	24366752	CF, 7500 ohm
R609	24366471	CF, 470 ohm
R610	24366681	CF, 680 ohm
R612	24366471	CF, 470 ohm
R617	24366682	CF, 6800 ohm
R618	24366153	CF, 15k ohm
R619	24366222	CF, 2200 ohm
△ R623	24321479	OMF, 4.7 ohm, 1/2W
R624	24366334	CF, 330k ohm
△ R630	24322569	OMF, 5.6 ohm, 1W
R638	24366102	CF, 1k ohm
R644	24366682	CF, 6800 ohm
R661	24946101	CC, 100 ohm, $\pm 10\%$, 1/2W
R680	24366104	CF, 100k ohm
R681	24366273	CF, 27k ohm
R682	24366472	CF, 4700 ohm
R683	24366562	CF, 5600 ohm
R684	24366301	CF, 300 ohm
R685	24366333	CF, 33k ohm
R686	24366103	CF, 10k ohm
R687	24366183	CF, 18k ohm
R688	24366332	CF, 3300 ohm
R692	24366104	CF, 100k ohm
△ R801	24007688	Cement, 6.2 ohm, 9W
△ R810	24000838	FR, 0.33 ohm, $\pm 10\%$, 2W

Location No.	Part No.	Description
△ R811	24377224	CF, 220k ohm, 1W
△ R812	24322689	OMF, 6.8 ohm, 1W
△ R813	24383470	OMF, 47 ohm, 2W
R814	24366681	CF, 680 ohm
△ R815	24321479	OMF, 4.7 ohm, 1/2W
△ R816	24384683	OMF, 68k ohm, 3W
R818	24366561	CF, 560 ohm
R820	24360134	CF, 130k ohm, 1/8W
△ R827	24321398	OMF, 0.39 ohm, 1/2W
△ R830	24321398	OMF, 0.39 ohm, 1/2W
△ R833	24009953	OMF, 10k ohm, 3W
R834	24366682	CF, 6800 ohm
R835	24366102	CF, 1k ohm
△ R890	24000816	PTC Thermistor, Dual
R901	24946152	CC, 1500 ohm, ±10%
R902	24946152	CC, 1500 ohm, ±10%
R903	24946152	CC, 1500 ohm, ±10%
△ R920	24000885	FR, 2.7 ohm, 1W
△ RA01	24383163	OMF, 16k ohm, 2W
RA02	24890103	CF, 10k ohm, 1/4W
RA03	24366394	CF, 390k ohm
RA04	24366333	CF, 33k ohm
RA05	24890103	CF, 10k ohm, 1/4W
RA06	24366682	CF, 6800 ohm
RA07	24366473	CF, 47k ohm
RA08	24366682	CF, 6800 ohm
RA09	24366473	CF, 47k ohm
RA10	24366562	CF, 5600 ohm
RA11	24366754	CF, 750k ohm
RA12	24366561	CF, 560 ohm
RA13	24366132	CF, 1300 ohm
RA14	24366151	CF, 150 ohm
RA15	24366124	CF, 120k ohm
RA16	24366273	CF, 27k ohm
RA17	24890101	CF, 100 ohm, 1/4W
RA20	24366472	CF, 4700 ohm
RA21	24890562	CF, 5600 ohm, 1/4W
RA22	24366103	CF, 10k ohm
RA23	24890103	CF, 10k ohm, 1/4W
RA30	24366224	CF, 220k ohm
RA31	24890822	CF, 8200 ohm, 1/4W
RA32	24366752	CF, 7500 ohm
RA33	24366103	CF, 10k ohm
RA34	24366103	CF, 10k ohm
RA35	24366103	CF, 10k ohm
RA40	24366104	CF, 100k ohm
RA41	24890102	CF, 1k ohm, 1/4W
RA42	24366562	CF, 5600 ohm
RA43	24366562	CF, 5600 ohm
RA44	24366562	CF, 5600 ohm
RA45	24366820	CF, 82 ohm
RA60	24890102	CF, 1k ohm, 1/4W
RA61	24890101	CF, 100 ohm, 1/4W
RA62	24366102	CF, 1k ohm
RA63	24366332	CF, 3300 ohm
RA64	24366104	CF, 100k ohm
RA70	24366101	CF, 100 ohm
RA71	24366224	CF, 220k ohm
RA72	24366153	CF, 15k ohm
RA73	24366101	CF, 100 ohm
RA74	24366102	CF, 1k ohm
RA80	24366272	CF, 2700 ohm
RA81	24366103	CF, 10k ohm
RA82	24366331	CF, 330 ohm

Location No.	Part No.	Description
RA83	24366102	CF, 1k ohm
RA84	24890103	CF, 10k ohm, 1/4W
RA85	24890102	CF, 1k ohm, 1/4W
RA86	24890102	CF, 1k ohm, 1/4W
RA87	24366102	CF, 1k ohm
RA88	24366102	CF, 1k ohm
RA89	24366562	CF, 5600 ohm
RA90	24890102	CF, 1k ohm, 1/4W
RA92	24890102	CF, 1k ohm, 1/4W
RA95	24890102	CF, 1k ohm, 1/4W
RA96	24366102	CF, 1k ohm
RA97	24366102	CF, 1k ohm
RA98	24366102	CF, 1k ohm
RB01	24366103	CF, 10k ohm
RB02	24366302	CF, 3k ohm
RB03	24366333	CF, 33k ohm
RB05	24366103	CF, 10k ohm
RB06	24366302	CF, 3k ohm
RB07	24366103	CF, 10k ohm
RB10	24890102	CF, 1k ohm, 1/4W
RB11	24890102	CF, 1k ohm, 1/4W
RB12	24366102	CF, 1k ohm
RB13	24366102	CF, 1k ohm
RH01	24366820	CF, 82 ohm
RH07	24366101	CF, 100 ohm
RH08	24366103	CF, 10k ohm
RH09	24890102	CF, 1k ohm, 1/4W
RH10	24366473	CF, 47k ohm
RH20	24366750	CF, 75 ohm
RH21	24366750	CF, 75 ohm
RH23	24366750	CF, 75 ohm
RH24	24366102	CF, 1k ohm
RH25	24890820	CF, 82 ohm, 1/4W
RH26	24890750	CF, 75 ohm, 1/4W
RH27	24890101	CF, 100 ohm, 1/4W
RH30	24366682	CF, 6800 ohm
RH31	24366122	CF, 1200 ohm
RH32	24366272	CF, 2700 ohm
RH34	24366682	CF, 6800 ohm
RH35	24366122	CF, 1200 ohm
RH36	24366272	CF, 2700 ohm
△ RH41	24552331	OMF, 330 ohm, 1/2W
RH52	24069814	VR, 5k ohm, 0.08W, CC
RH70	24366563	CF, 56k ohm
RH72	24890563	CF, 56k ohm, 1/4W
△ RH80	24552221	OMF, 220 ohm, 1/2W
RH91	24366101	CF, 100 ohm
RH94	24366103	CF, 10k ohm
RH95	24366562	CF, 5600 ohm
RH96	24366820	CF, 82 ohm
△ RH97	24552331	OMF, 330 ohm, 1/2W
RH98	24366102	CF, 1k ohm
RH99	24366473	CF, 47k ohm
RK01	24366223	CF, 22k ohm
RK02	24366103	CF, 10k ohm
RK03	24366220	CF, 22 ohm
RK04	24366222	CF, 2200 ohm
△ RK05	24552470	OMF, 47 ohm, 1/2W
RM01	24366101	CF, 100 ohm
RM02	24366271	CF, 270 ohm
RM03	24366104	CF, 100k ohm
RM04	24366102	CF, 1k ohm
RM07	24366153	CF, 15k ohm
RM08	24890103	CF, 10k ohm, 1/4W

Location No.	Part No.	Description
RM11	24366332	CF, 3300 ohm
RM12	24366151	CF, 150 ohm
RM13	24366332	CF, 3300 ohm
RM14	24366151	CF, 150 ohm
RM15	24366332	CF, 3300 ohm
RM16	24366151	CF, 150 ohm
RM18	24366122	CF, 1200 ohm
RM20	24890104	CF, 100k ohm, 1/4W
RM21	24366103	CF, 10k ohm
RM22	24366152	CF, 1500 ohm
RM23	24366152	CF, 1500 ohm
RM24	24366332	CF, 3300 ohm
RM25	24366681	CF, 680 ohm
RM26	24366471	CF, 470 ohm
RM27	24366152	CF, 1500 ohm
RM28	24366152	CF, 1500 ohm
RM29	24366332	CF, 3300 ohm
RM30	24366331	CF, 330 ohm
RM32	24546569	FR, 5.6 ohm, 1/2W
RM34	24366681	CF, 680 ohm
RM35	24366272	CF, 2700 ohm
RM36	24366563	CF, 56k ohm
RM40	24366392	CF, 3900 ohm
RM65	24366223	CF, 22k ohm
RM66	24366103	CF, 10k ohm
RM67	24366682	CF, 6800 ohm
RM68	24366562	CF, 5600 ohm
RM70	24366471	CF, 470 ohm
RM71	24366271	CF, 270 ohm
RM72	24366471	CF, 470 ohm
RM73	24366393	CF, 39k ohm
RM74	24366471	CF, 470 ohm
RM75	24366222	CF, 2200 ohm
RM76	24366103	CF, 10k ohm
RM77	24890222	CF, 2200 ohm, 1/4W
RM80	24366103	CF, 10k ohm
RM81	24366332	CF, 3300 ohm
RM82	24366472	CF, 4700 ohm
RM83	24366562	CF, 5600 ohm
RM84	24366562	CF, 5600 ohm
△ RR01	24327753	MF, 75k ohm, ±1%, 1/4W
RR02	24366472	CF, 4700 ohm
RR03	24366472	CF, 4700 ohm
RR04	24366102	CF, 1k ohm
RR05	24366102	CF, 1k ohm
RR06	24366103	CF, 10k ohm
RR81	24366182	CF, 1800 ohm
RR82	24890103	CF, 10k ohm, 1/4W
RR83	24366272	CF, 2700 ohm
△ RR84	24376683	CF, 68k ohm, 1/2W
△ RS01	24321109	OMF, 1 ohm, 1/2W
RS03	24890472	CF, 4700 ohm, 1/4W
△ RS04	24382821	OMF, 820 ohm, 1W
△ RS05	24531150	FR, 15 ohm, 1/2W
RS06	24890152	CF, 1500 ohm, 1/4W
RS07	24366102	CF, 1k ohm
RS08	24366330	CF, 33 ohm
RV01	24366821	CF, 820 ohm
RV02	24366102	CF, 1k ohm
RV03	24366101	CF, 100 ohm
RV04	24890152	CF, 1500 ohm, 1/4W
RV05	24890101	CF, 100 ohm, 1/4W
RV06	24890101	CF, 100 ohm, 1/4W
RV07	24366101	CF, 100 ohm

Location No.	Part No.	Description
RV10	24366221	CF, 220 ohm
RV11	24890221	CF, 220 ohm, 1/4W
RV12	24366221	CF, 220 ohm
RV13	24890101	CF, 100 ohm, 1/4W
RV14	24366393	CF, 39k ohm
RV15	24366473	CF, 47k ohm
RV16	24366473	CF, 47k ohm
RV17	24366102	CF, 1k ohm
RV18	24366222	CF, 2200 ohm
RV19	24366103	CF, 10k ohm
RV20	24890103	CF, 10k ohm, 1/4W
△ RV21	24552471	OMF, 470 ohm, 1/2W
RV22	24366121	CF, 120 ohm
RV23	24366121	CF, 120 ohm
RV24	24366121	CF, 120 ohm
RV25	24366821	CF, 820 ohm
RV26	24366105	CF, 1M ohm
RV27	24366105	CF, 1M ohm
RV28	24890105	CF, 1M ohm, 1/4W
RV29	24366562	CF, 5600 ohm
RV30	24890103	CF, 10k ohm, 1/4W
RV31	24366472	CF, 4700 ohm
RV32	24366272	CF, 2700 ohm
RV33	24890103	CF, 10k ohm, 1/4W
RV34	24366472	CF, 4700 ohm
RV35	24366103	CF, 10k ohm
RV36	24890103	CF, 10k ohm, 1/4W
RV37	24366103	CF, 10k ohm
RV38	24890101	CF, 100 ohm, 1/4W
RV39	24890222	CF, 2200 ohm, 1/4W
RV40	24366392	CF, 3900 ohm
RV41	24366102	CF, 1k ohm
RV42	24366332	CF, 3300 ohm
RV43	24890472	CF, 4700 ohm, 1/4W
RV44	24366102	CF, 1k ohm
RV45	24366103	CF, 10k ohm
RV46	24890821	CF, 820 ohm, 1/4W
RV47	24366332	CF, 3300 ohm
RV60	24890101	CF, 100 ohm, 1/4W
RV61	24366101	CF, 100 ohm
RV62	24366101	CF, 100 ohm
RV63	24366102	CF, 1k ohm
RV64	24366682	CF, 6800 ohm
RV65	24366223	CF, 22k ohm
RV66	24890102	CF, 1k ohm, 1/4W
RV67	24366102	CF, 1k ohm
RV68	24890101	CF, 100 ohm, 1/4W
RV69	24366332	CF, 3300 ohm
RV73	24366821	CF, 820 ohm
RV74	24366821	CF, 820 ohm
RV75	24366821	CF, 820 ohm
RV76	24366392	CF, 3900 ohm
RV77	24366392	CF, 3900 ohm
RV78	24366392	CF, 3900 ohm
△ RV80	24552181	OMF, 180 ohm, 1/2W
△ RV81	24552181	OMF, 180 ohm, 1/2W
△ RV82	24552271	OMF, 270 ohm, 1/2W
RV90	24366151	CF, 150 ohm
RV91	24366473	CF, 47k ohm
RV92	24366562	CF, 5600 ohm
RV93	24890103	CF, 10k ohm, 1/4W

Location No.	Part No.	Description
COILS & TRANSFORMERS		
L102	23262856	Coil, PIF, TRF1452
L103	23262783	Coil, IF Coil, TRF1105
L105	23237991	Coil, Peaking, TRF4479AC
L107	23262961	Coil, PIF Trap, TRF1411
L108	23262843	Coil, PIF Trap, TRF1457
L109	23221937	Coil, RF Choke, TLN3040
L110	23237977	Coil, Peaking, TRF4680AC
L130	23237977	Coil, Peaking, TRF4680AC
L162	23261986	Coil, RF Choke, TRF9220
L171	23262813	Coil, IF Coil, TRF1077
L201	23237987	Coil, Peaking, TRF4100AC
L203	23237981	Coil, Peaking, TRF4330AC
L406	23103940	Coil(Ferrite Bead), TEM2001
L407	23238934	Coil, Peaking, TRF4109AC
L410	23221026	Coil, RF Choke, AZ-9004Y
L411	23222667	Coil, Linearity, TLN2062
L412	23221970	Coil, RF Choke, TLN3009
△ L462	23227439	Deflection Yoke, AT6060/00
L501	23237982	Coil, Peaking, TRF4270AC
L502	23237985	Coil, Peaking, TRF4150AC
L503	23237973	Coil, Peaking, TRF4151AC
L551	23250972	Coil, 1H-Delay Matching, TRF5418
L552	23250943	Coil, IF Coil, TRF5426
L601	23237986	Coil, Peaking, TRF4120AC
L630	23237977	Coil, Peaking, TRF4680AC
L661	23221058	Coil, RF Choke, TLN1015C
L662	23221058	Coil, RF Choke, TLN1015C
L802	23103940	Coil(Ferrite Bead), TEM2001
L803	23103940	Coil(Ferrite Bead), TEM2001
L830	23261975	Coil, RF Choke, TRF9229
L831	23221060	Coil, RF Choke, TLN1015E
L832	23221060	Coil, RF Choke, TLN1015E
△ L901	23200780	Coil, Degaussing, TSB-2230
LA11	23239835	Coil, Peaking, TRF4109AJ
LB01	23262776	Coil, IF Coil, TRF1114
LB02	23239835	Coil, Peaking, TRF4109AJ
LH02	23221058	Coil, RF Choke, TLN1015C
LH05	23221058	Coil, RF Choke, TLN1015C
LH90	23221058	Coil, RF Choke, TLN1015C
LH92	23237975	Coil, Peaking, TRF4101AC
LK01	23232963	Coil, Variable, TRF3055
LK02	23238722	Coil, Peaking, TRF4822AI
LM51	23262797	Coil, IF Coil, TRF1093
LM52	23262798	Coil, IF Coil, TRF1092
LM53	23262798	Coil, IF Coil, TRF1092
LM54	23262798	Coil, IF Coil, TRF1092
LM56	23237894	Coil, Peaking, TRF4472AE
LM57	23237988	Coil, Peaking, TRF4829AC
LM58	23237988	Coil, Peaking, TRF4829AC
△ T401	23224983	Transformer, Hariz Drive, TLN1039
△ T461	23236052	Transformer, Flyback, AT2079109
T801	23211940	Transformer, TRF3121C
△ T802	23213673	Transformer, Converter, TPW3079

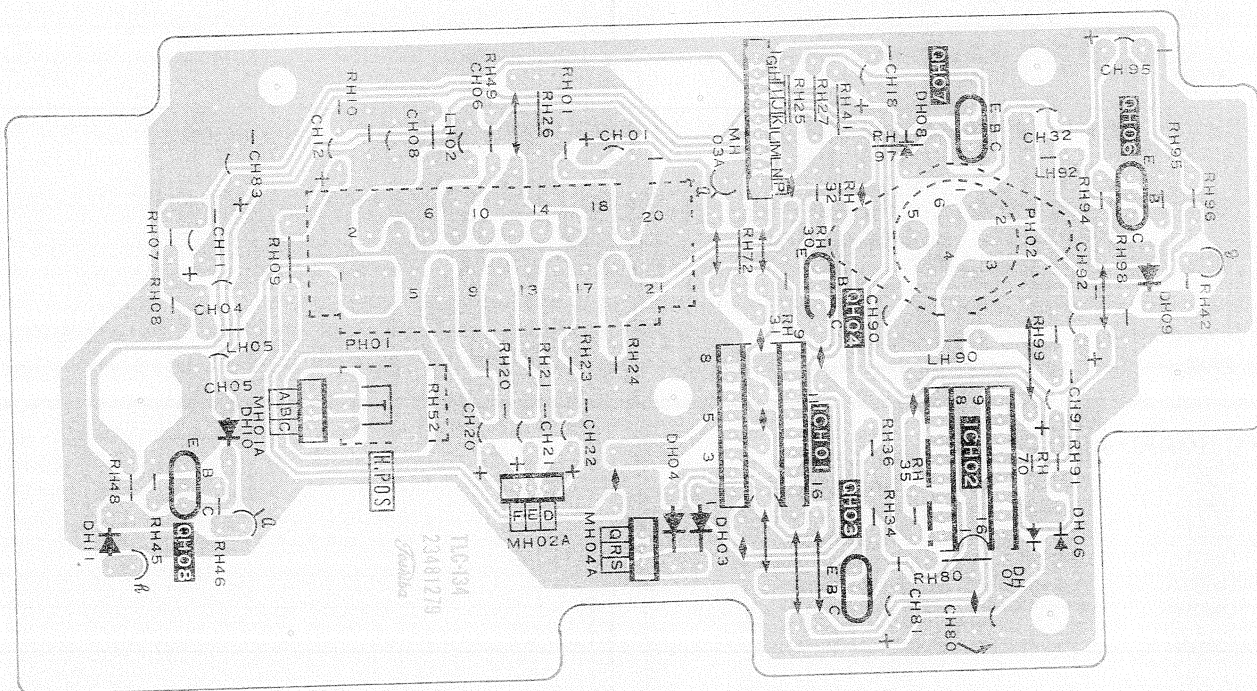
Location No.	Part No.	Description
SEMICONDUCTORS		
IC101	23119143	IC, M51365SP
IC303	23119533	IC, TDA3651A
IC501	B0357050	IC, TA7699AP
IC621	23119532	IC, TDA-1015
ICA01	23119067	IC, TMP47C432N-8682
ICA02	23119101	IC, M58655P
ICA03	23119182	IC, PD6336C
ICA04	23119100	IC, M50450-022P
ICA13	B0272490	IC, TD6350P
ICH01	B0470532	IC, TC4053BP
ICK01	23119566	IC, μ PC1474HA
ICM01	23119724	IC, M51397AP
ICV01	B0379280	IC, TA8628N
ICV02	23119138	IC, μ PC1417CA
ICV03	B0471000	IC, TC40H000P
ICV04	23119139	IC, AN5862K
Q161	A6708871	Transistor, 2SC388ATM
Q201	23114689	Transistor, BC547A
Q203	23114689	Transistor, BC547A
Q205	23114689	Transistor, BC547A
Q207	23114689	Transistor, BC547A
Q208	23114689	Transistor, BC547A
Q302	23114691	Transistor, BC557A
Q402	A6330004	Transistor, 2SC2482 FA-1
△ Q404	A6868654	Transistor, 2SD1426
Q404D	A8012650	Spacer For Tr., AC263
Q505	23114693	Transistor, BF871
Q506	A6330000	Transistor, 2SC2482
Q507	23114693	Transistor, BF871
Q508	A6330000	Transistor, 2SC2482
Q509	23114693	Transistor, BF871
Q510	A6330000	Transistor, 2SC2482
Q601	23114689	Transistor, BC547A
Q622	23114632	Transistor, BC547B
Q680	23114689	Transistor, BC547A
Q681	23114689	Transistor, BC547A
Q682	23114691	Transistor, BC557A
Q683	23114691	Transistor, BC557A
Q801	23314098	Transistor(STR), STR54041
Q802	23114632	Transistor, BC547B
Q803	A6534125	Transistor, 2SA1020-Y
Q830	A6358055	Transistor, 2SC3182N FA-1
Q831	A6547300	Transistor, 2SA1321
QA05	23114689	Transistor, BC547A
QA06	23114691	Transistor, BC557A
QA07	23114691	Transistor, BC557A
QA08	23114691	Transistor, BC557A
QA10	23114689	Transistor, BC547A
QA11	23114689	Transistor, BC547A
QA12	23114689	Transistor, BC547A
QA20	23114689	Transistor, BC547A
QA21	23114632	Transistor, BC547B
QA30	23114691	Transistor, BC557A
QA31	23114689	Transistor, BC547A
QA80	23114691	Transistor, BC557A
QB02	23114689	Transistor, BC547A
QB03	23114689	Transistor, BC547A
QH03	23114691	Transistor, BC557A
QH04	23114691	Transistor, BC557A
QH06	23114689	Transistor, BC547A
QH07	23114691	Transistor, BC557A
QM02	23114691	Transistor, BC557A
QM08	23114689	Transistor, BC547A

Location No.	Part No.	Description
QM12	23114691	Transistor, BC557A
QM13	23114689	Transistor, BC547A
QR01	23114632	Transistor, BC547B
QR02	23114632	Transistor, BC547B
QR03	23114632	Transistor, BC547B
QR04	23114546	Transistor, BC557B
QR05	A6324942	Transistor, 2SC2229-Y
QS01	23114546	Transistor, BC557B
QS02	A6842185	Transistor, 2SD553-Y
QS03	23114546	Transistor, BC557B
QV05	23114691	Transistor, BC557A
QV06	23114691	Transistor, BC557A
QV07	23114689	Transistor, BC547A
QV08	23114689	Transistor, BC547A
QV09	23114689	Transistor, BC547A
QV10	23114689	Transistor, BC547A
QV11	23114691	Transistor, BC557A
D202	23115599	Diode, 1N4148
D203	23115599	Diode, 1N4148
D204	23115599	Diode, 1N4148
D205	23115599	Diode, 1N4148
D206	A7150041	Diode, 1SS104
D212	23115599	Diode, 1N4148
D213	A7150041	Diode, 1SS104
D214	23115599	Diode, 1N4148
D241	23115599	Diode, 1N4148
D242	23115599	Diode, 1N4148
D243	A7150041	Diode, 1SS104
D244	23115599	Diode, 1N4148
D301	23115599	Diode, 1N4148
D302	23118479	Diode, BYD33J
D305	23118479	Diode, BYD33J
D309	23115598	Diode, 1N4003
D315	A7110160	Diode, Zener, 05Z7.5Y
D371	23115526	Diode, Zener, BZX79B5V1
D406	23118479	Diode, BYD33J
D408	23118994	Diode, BYW95C
D415	23115599	Diode, 1N4148
D416	A7110312	Diode, Zener, 05Z10Y
D561	A7150041	Diode, 1SS104
D591	23115599	Diode, 1N4148
D592	23115599	Diode, 1N4148
D593	23115599	Diode, 1N4148
D681	23115599	Diode, 1N4148
D682	23115599	Diode, 1N4148
D801	A7568410	Diode, TVR-4J
D802	A7568410	Diode, TVR-4J
D803	A7568410	Diode, TVR-4J
D804	A7568410	Diode, TVR-4J
D811	23118479	Diode, BYD33J
D812	23118736	Diode, BYV96E
D813	23118479	Diode, BYD33J
D814	A7116615	Diode, Zener, 04AZ6.8Y
D815	23118479	Diode, BYD33J
D830	23118994	Diode, BYW95C
D831	23118479	Diode, BYD33J
DA03	23115599	Diode, 1N4148
DA04	23115599	Diode, 1N4148
DA05	23115922	Diode, Zener, μ PC574J
DA05	or 23115878	Diode, Zener, μ PC574JC
DA14	23115599	Diode, 1N4148
DA26	23115599	Diode, 1N4148
DA27	23115599	Diode, 1N4148
DA28	23115599	Diode, 1N4148

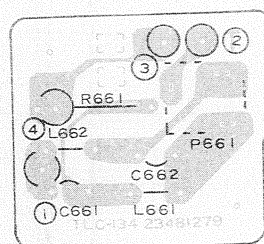
Location No.	Part No.	Description
DA70	23115599	Diode, 1N4148
DA71	23115599	Diode, 1N4148
DA72	23115599	Diode, 1N4148
DA80	23118969	Diode(LED), MV57124, Red
DA81	23115599	Diode, 1N4148
DH03	A7288601	Diode, 1S2186 FA-1
DH04	A7288601	Diode, 1S2186 FA-1
DH06	23115599	Diode, 1N4148
DH07	23115599	Diode, 1N4148
DH08	23115599	Diode, 1N4148
DK01	23118482	Diode, BPW41N
DM01	23115599	Diode, 1N4148
DM02	23115599	Diode, 1N4148
DM05	23115525	Diode, Zener, BZX79B12
DM06	23115599	Diode, 1N4148
DM07	23115599	Diode, 1N4148
DM08	23115599	Diode, 1N4148
DM21	23115599	Diode, 1N4148
DR01	23115599	Diode, 1N4148
DR02	23115599	Diode, 1N4148
DR03	23115599	Diode, 1N4148
DR10	A8641942	Diode, TLP631-GB
DS01	23118479	Diode, BYD33J
DS02	23118610	Diode, Zener, RD30ES-B4
DS03	A7116305	Diode, Zener, 04AZ5.1X
DV01	23115599	Diode, 1N4148
DV02	23115599	Diode, 1N4148
DV03	23115599	Diode, 1N4148
DV30	23115599	Diode, 1N4148
DV31	23115599	Diode, 1N4148
DV32	23115599	Diode, 1N4148
DV33	23115599	Diode, 1N4148
DV34	23115599	Diode, 1N4148
DV35	23115599	Diode, 1N4148
DV60	23115599	Diode, 1N4148
DV70	23115535	Diode, OA91
DV71	23115535	Diode, OA91
DV72	23115535	Diode, OA91
DV73	23115535	Diode, OA91
DV74	23115535	Diode, OA91
DV75	23115535	Diode, OA91
DV80	23115526	Diode, Zener, BZX79B5V1
MISCELLANEOUS		
△ F801	23144896	Fuse, T2.0A
F801A	23845691	Fuse Clip
K902	23120713	Remote Hand Unit, CT-9176
P661	23364857	Earphone Jack, 3,5
△ P801	23176827	Power Cord
PH01	23901735	TV Socket, PTE8787
PH02	23901653	Socket, 5P, DIN
△ S801	23145583	Switch, Push, 2C2P
SA01	23145435	Switch, Key, KSA-VL
SA02	23145435	Switch, Key, KSA-VL
SA03	23145435	Switch, Key, KSA-VL
SA04	23145435	Switch, Key, KSA-VL
SA05	23145435	Switch, Key, KSA-VL
SA06	23145435	Switch, Key, KSA-VL
SA07	23145435	Switch, Key, KSA-VL
SA08	23145435	Switch, Key, KSA-VL
SA09	23145435	Switch, Key, KSA-VL
△ V901A	23901874	Socket, Picture Tube, 8P
W201	23250937	Coil, Delay Line, TRF2054

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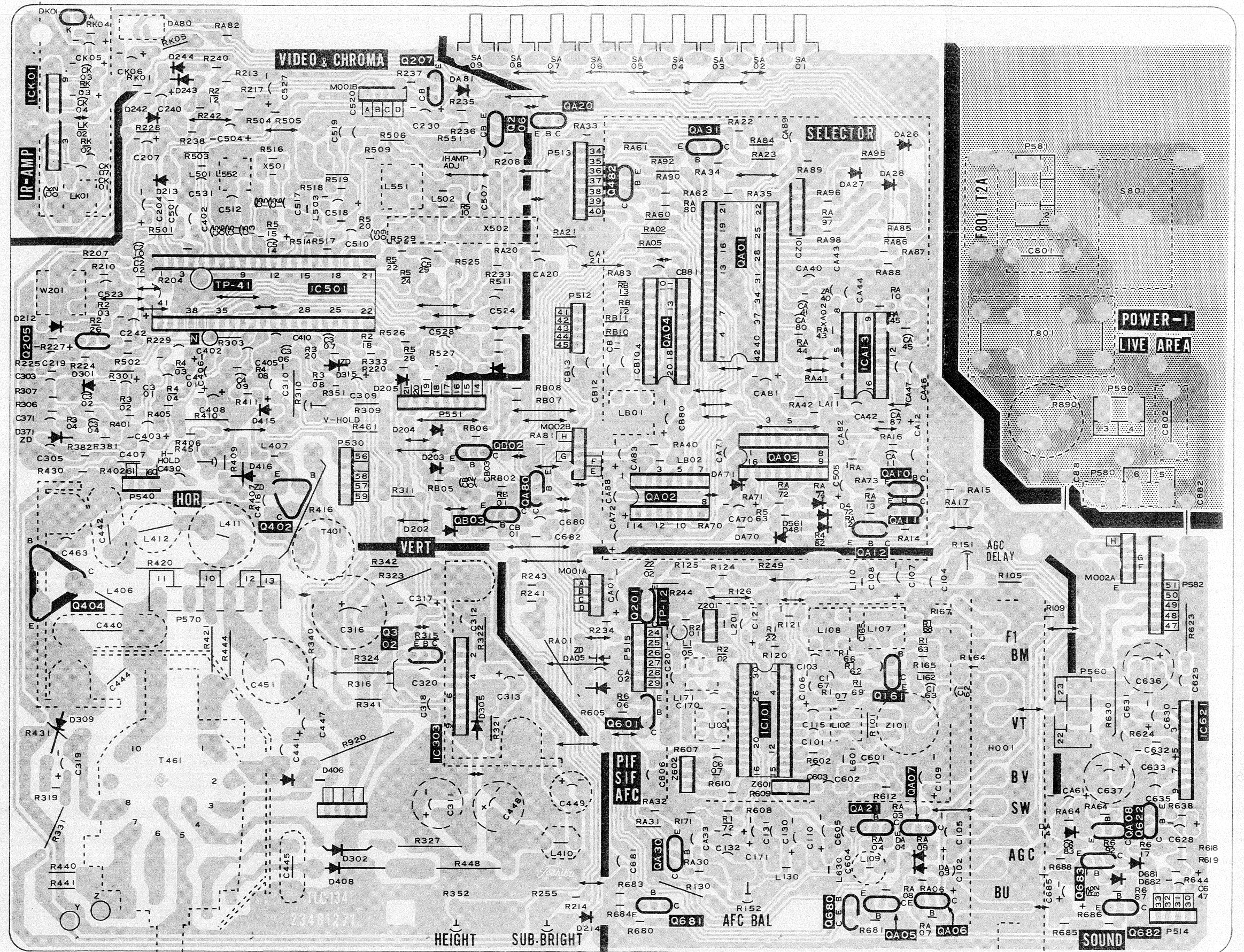
A/V SOCKET BOARD PW5341-1 BOTTOM (FOIL) SIDE



HEADPHONE BOARD PW5341-3 BOTTOM (FOIL) SIDE

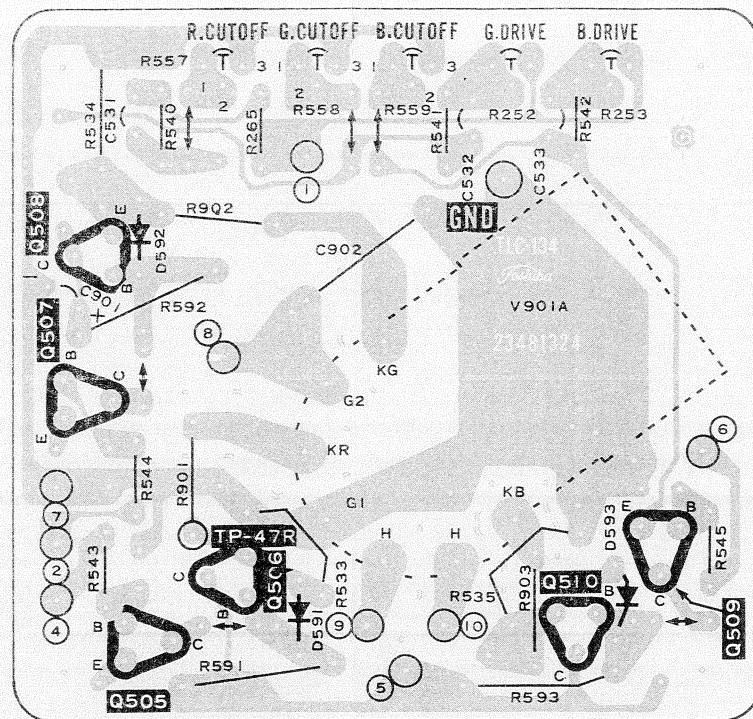


MAIN BOARD PW5338 BOTTOM (FOIL) SIDE



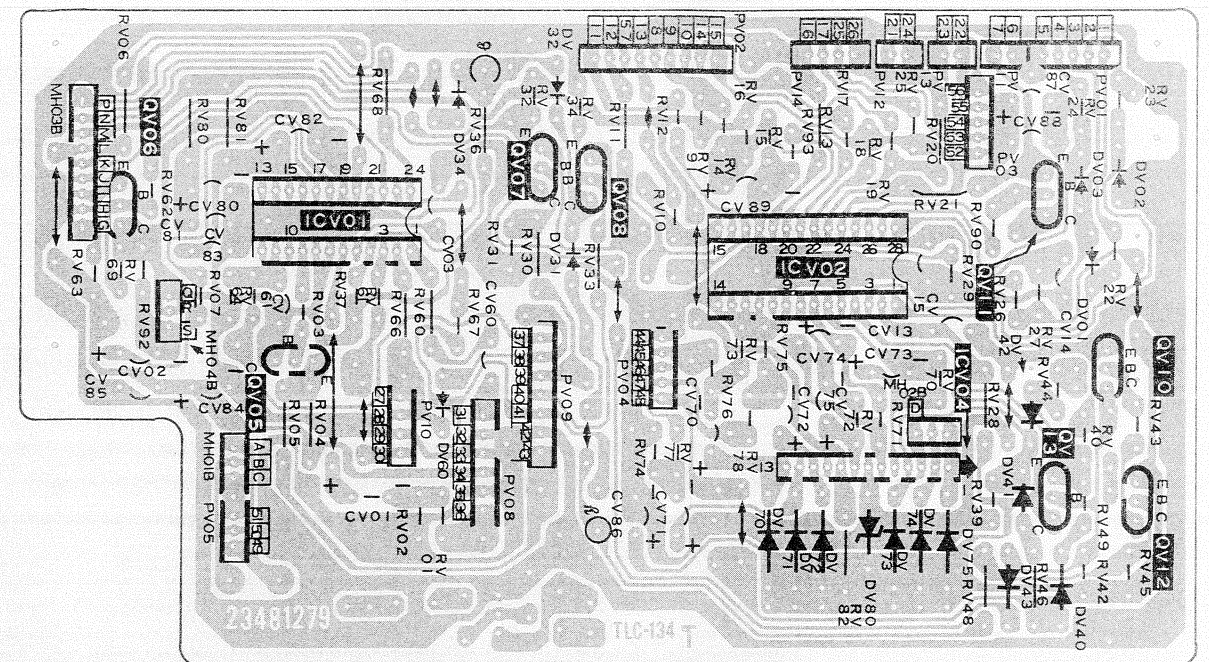
CRT DRIVE BOARD PW5339

BOTTOM (FOIL) SIDE



A/V BOARD PW5341-2

BOTTOM (FOIL) SIDE

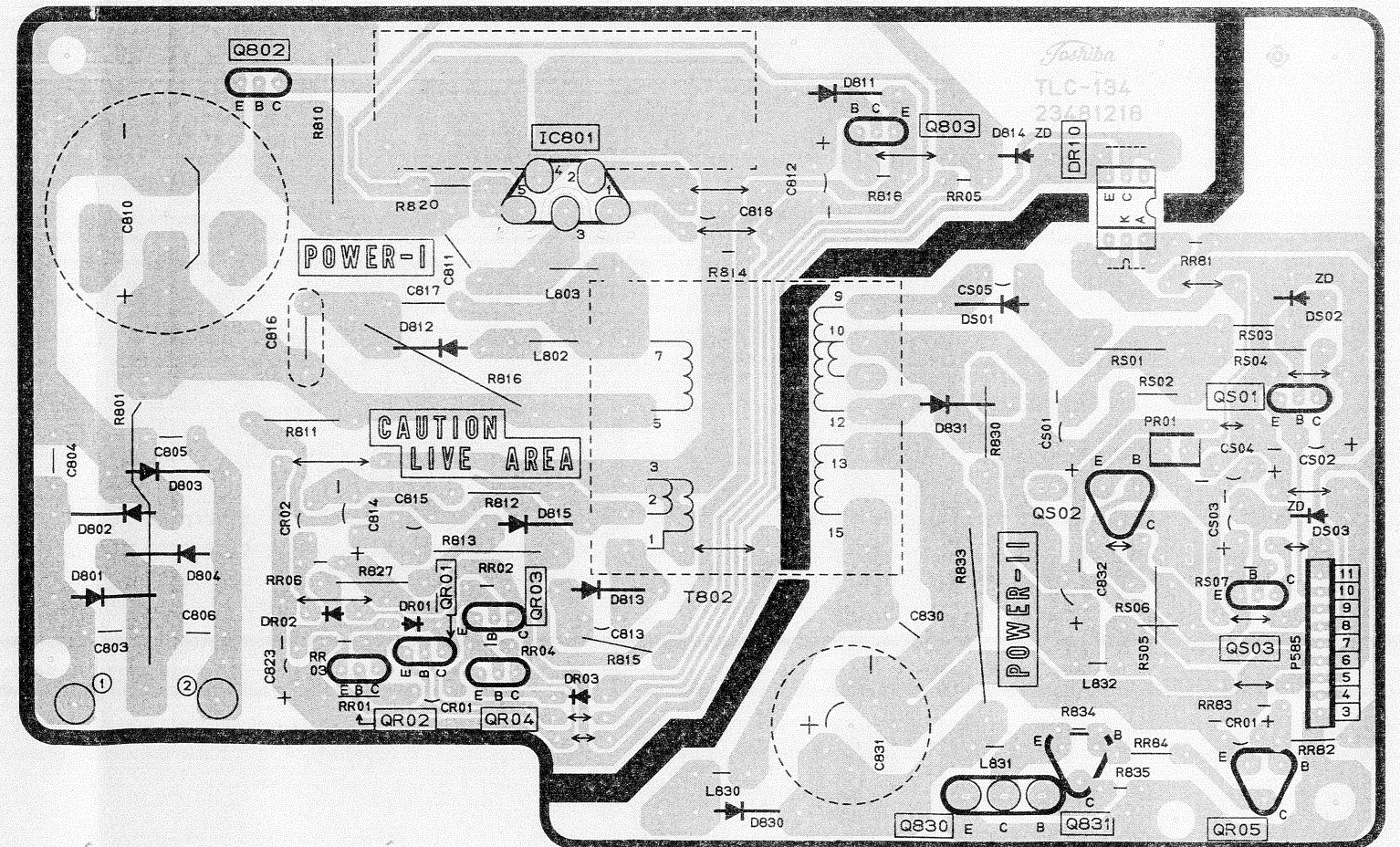
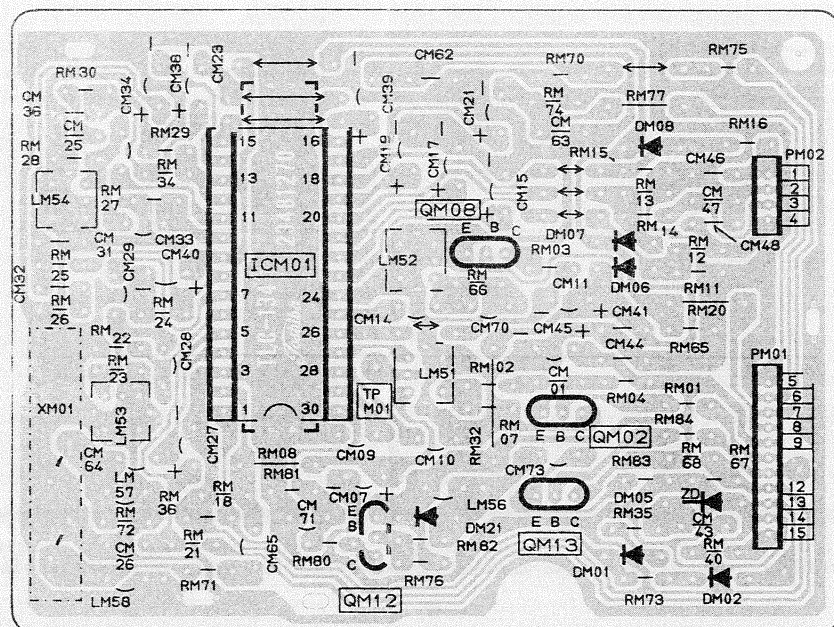


POWER BOARD PW5653

BOTTOM (FOIL) SIDE

SECAM CHROMA BOARD PW5631

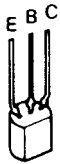
BOTTOM SIDE



TERMINAL VIEW OF TRANSISTOR

①

BC327
BC337
BC547A
BC547B
BC547C
BC557A
BC557B
BF324



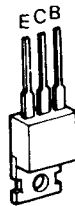
②

2SK30ATM



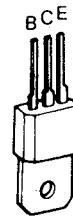
③

BD202



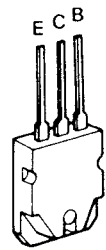
④

BF871
2SD553



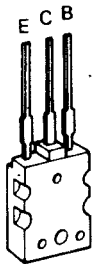
⑤

2SC3678
2SC3182N



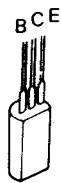
⑥

2SD1426



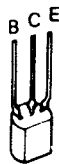
⑦

2SC2482
2SA1321
2SC2229
2SA1020



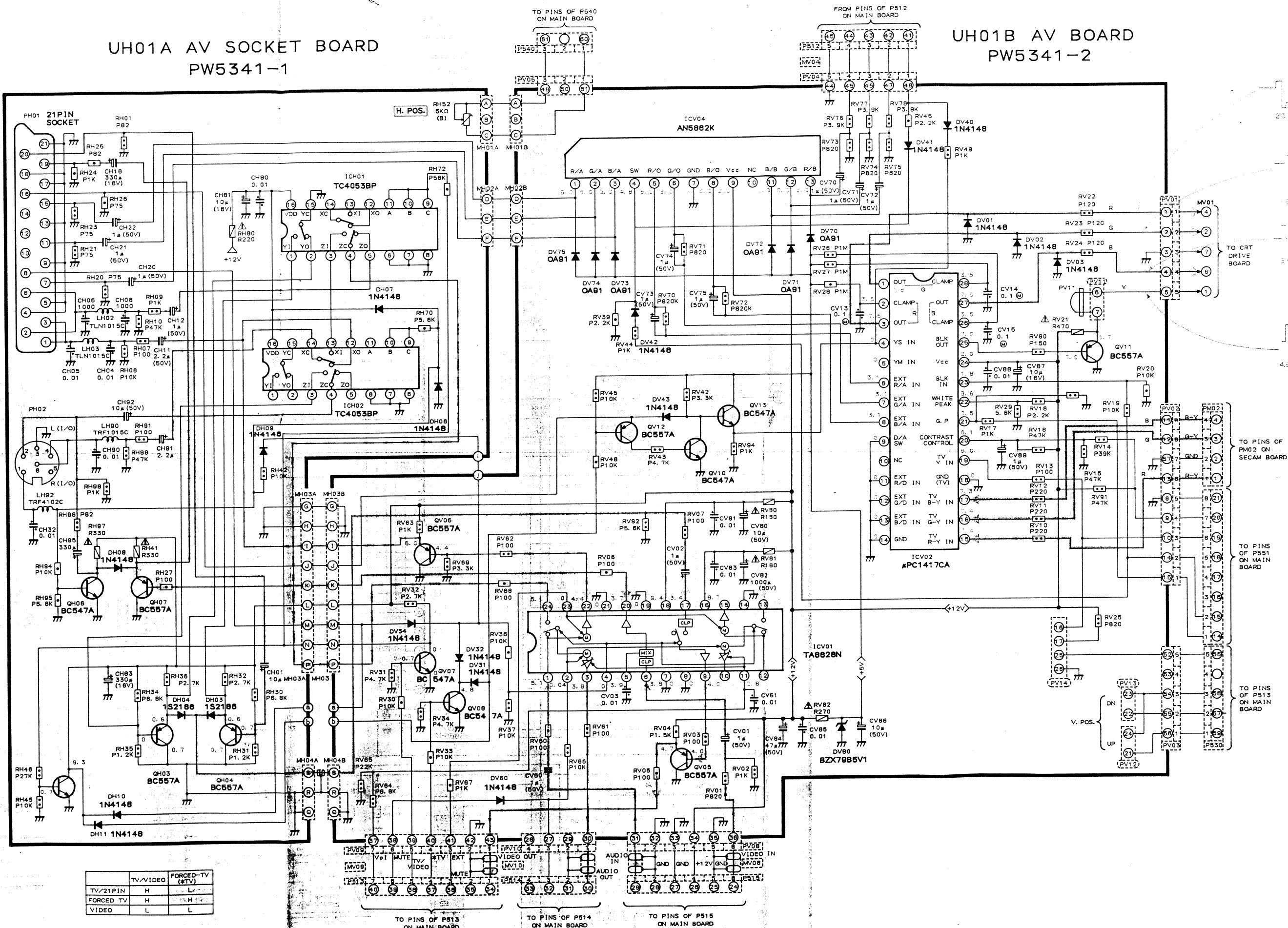
⑧

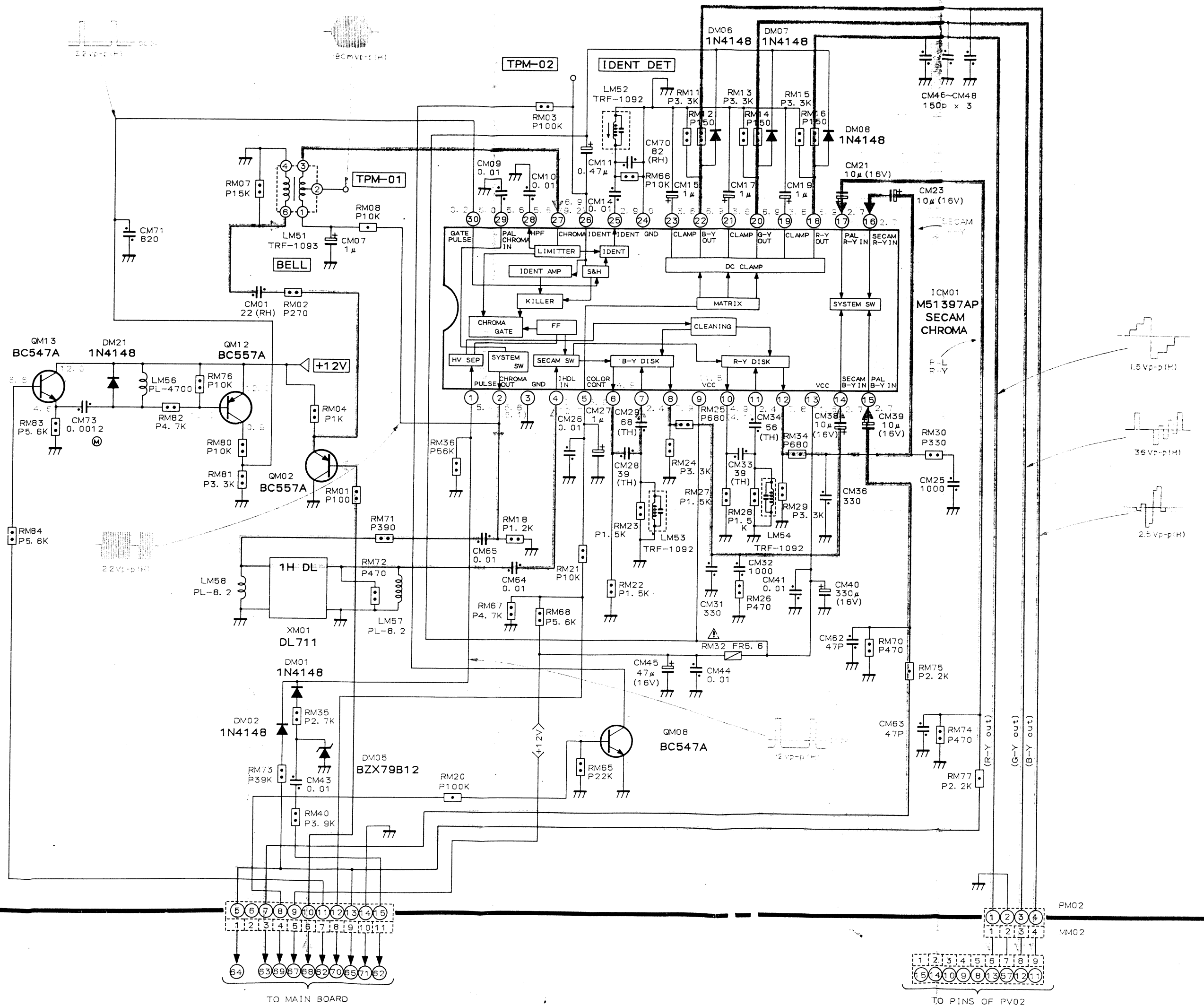
2SC388ATM
2SA1015



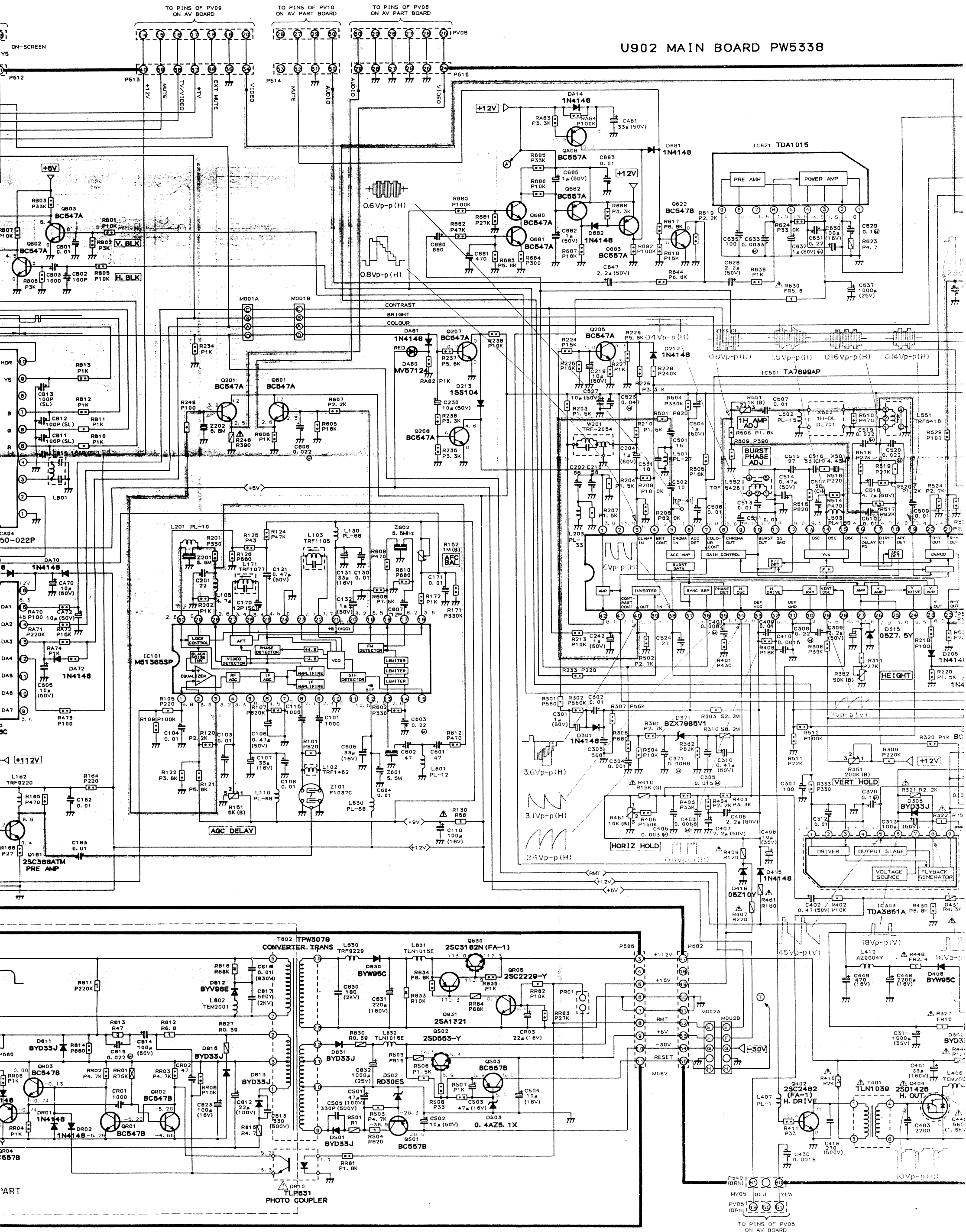
A large rectangular area containing horizontal dotted lines for writing.

21	SMILED EARTH	—
20	VIDEO IN	1Vpp±3dB
19	VIDEO OUT	1Vpp±3dB
18	RAPID BLANKING	—
17	VIDEO EARTH	—
16	RAPID BLANKING	0.0-0.4V 1.1V±2dB
15	RED IN	0.7Vpp±3dB
14	NC	—
13	RED EARTH	—
12	NC	—
11	GREEN IN	0.7Vpp±3dB
10	NC	—
9	GREEN EARTH	—
8	EXT. TV	TV 0-2V EXT. 0.0-4V
7	BLUE IN	0.7Vpp±3dB
6	AUDIO IN (L)	0.2-2Vrms
5	BLUE EARTH	—
4	AUDIO EARTH	—
3	AUDIO OUT	0.2-2Vrms
2	AUDIO IN (R)	0.2-2Vrms
1	AUDIO OUT	0.2-2Vrms





U902 MAIN BOARD PW5338



[illegible]